



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 110963

TO: James Schultz
Location: CM1-12E18/11E12
Art Unit: 1635
Wednesday, December 24, 2003
Case Serial Number: 10/001,844

From: Paul Schulwitz
Location: Biotech-Chem Library
CM1-6B06
Phone: 305-1954

paul.schulwitz@uspto.gov

Search Notes

Examiner Schultz,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Paul Schulwitz
Technical Information Specialist
STIC Biotech/Chem Library
(703)305-1954



03P 12/18

Schulwitz, Paul

From: Schreiber, David
Sent: Wednesday, December 17, 2003 11:38 AM
To: Schulwitz, Paul
Subject: FW: Sequence search 10/001,844

Here is a new one.

David Schreiber, Ph.D.
Scientific and Technical Information Center
Biotech/Chem Library
CM1-6A03
703-308-4292

QM58

-----Original Message-----

From: STIC-Biotech/ChemLib
Sent: Wednesday, December 17, 2003 10:49 AM
To: Schreiber, David
Subject: FW: Sequence search 10/001,844

-----Original Message-----

From: Schultz, James
Sent: Wednesday, December 17, 2003 10:00 AM
To: STIC-Biotech/ChemLib
Subject: Sequence search 10/001,844

Hi David,

I need to order a "length over score" nucleotide sequence search on nucleotides ~~1000-1000~~ of SEQ ID NO:3 (1576 nt long) in the above entitled case. I need the lower and upper limits to be 8 and 50, respectively, I need those hits complementary to the 70% level, and please transfer as many hits into the excel program as possible. I do not need the interference databases searched.

Thanks,

Doug Schultz

1248
entire sequence

James Douglas Schultz, PhD
AU 1635 (Biotechnology)
Patent Examiner
United States Patent and Trademark Office
CM1-12E18
703-308-9355 Office
703-746-3973 FAX
AFTER JAN. 13, 2003:
REM 2D18
(571) 272-0763

rge	940	✓
rng	70	✓
rni	605	✓
rnrb	145	✓
rst	137	

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 23, 2003, 16:32:52 ; Search time 26 Seconds
(without alignments)
2.044 Million cell updates/sec

Title: us-10-001-844-3

Perfect score: 1576

Sequence: 1 gcggagcagccagcagggga.....gaggggcgcggagggggggcc 1576

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 921 seqs, 16857 residues

Total number of hits satisfying chosen parameters: 1842

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 940 summaries

Database : rge.seq*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	50	3.2	50	1	AX146582
C 2	48.4	3.1	50	1	AX146613
C 3	48.4	3.1	50	1	AX146614
C 4	45.2	2.9	50	1	AX146616
C 5	43.8	2.8	47	1	AX146608
C 6	43.8	2.8	47	1	AX146609
C 7	43.4	2.8	45	1	AX146612
C 8	42	2.7	50	1	AX146615
C 9	41.4	2.6	43	1	AX146617
C 10	40.6	2.6	47	1	AX146611
C 11	37.4	2.4	47	1	AX146610
C 12	36	2.3	49	1	AR226529
C 13	27	1.7	27	1	AX548365
C 14	27	1.7	27	1	HS2270316
C 15	25	1.6	33	1	184406
C 16	24	1.5	24	1	AR063105
C 17	24	1.5	24	1	AR122632
C 18	24	1.5	24	1	AR164260
C 19	24	1.5	24	1	AR208932
C 20	23.6	1.5	30	1	184401
C 21	23.6	1.5	31	1	AR01419
C 22	22.6	1.4	30	1	AR242044
C 23	22.4	1.4	32	1	AR62993
C 24	22.4	1.4	32	1	AR179068
C 25	22	1.4	23	1	HS2270315
C 26	22	1.4	24	1	AS483364
C 27	22	1.4	29	1	AX146574
C 28	22	1.4	29	1	AX417112
C 29	19.2	1.2	24	1	AX327693
C 30	19	1.2	19	1	AR154250
C 31	19	1.2	19	1	AR154250
C 32	18.6	1.2	25	1	AR028113
C 33	18.6	1.2	25	1	AR030289

1	AX689173	18.6	1.2	25	1	AX689173
2	I42108	18.6	1.2	25	1	I42108
3	AR063245	18.2	1.2	24	1	AR063245
4	AX689174	18.2	1.2	25	1	AX689174
5	AX689175	18.2	1.2	25	1	AX689175
6	E16681	18.2	1.2	25	1	E16681
7	AR154251	18.2	1.2	25	1	AR154251
8	AR177692	17.8	1.1	18	1	AR177692
9	AX616896	17.8	1.1	21	1	AX616896
10	AX548233	17.6	1.1	25	1	AX548233
11	AX689172	17.6	1.1	25	1	AX689172
12	AR028416	17.2	1.1	24	1	AR028416
13	AR130926	17.2	1.1	24	1	AR130926
14	AR161892	17.2	1.1	24	1	AR161892
15	AR240225	17.2	1.1	24	1	AR240225
16	AX548360	16.8	1.1	24	1	AX548360
17	AR063245	16.8	1.1	24	1	AR063245
18	AR137168	16.4	1.0	18	1	AR137168
19	BD136502	16.4	1.0	18	1	BD136502
20	AX537662	16.4	1.0	20	1	AX537662
21	AS8260	16.4	1.0	21	1	AS8260
22	AX244168	16.4	1.0	21	1	AX244168
23	AR084563	16.2	1.0	21	1	AR084563
24	AR084566	16.2	1.0	21	1	AR084566
25	AR084567	16.2	1.0	21	1	AR084567
26	AR084578	16.2	1.0	21	1	AR084578
27	AR084579	16.2	1.0	21	1	AR084579
28	AR084582	16.2	1.0	21	1	AR084582
29	AR093142	16.2	1.0	21	1	AR093142
30	A88669	16.2	1.0	22	1	A88669
31	A90636	16.2	1.0	22	1	A90636
32	AR028417	16.2	1.0	22	1	AR028417
33	AR028420	16.2	1.0	22	1	AR028420
34	AR130927	16.2	1.0	22	1	AR130927
35	AR130930	16.2	1.0	22	1	AR130930
36	AR161893	16.2	1.0	22	1	AR161893
37	AR161896	16.2	1.0	22	1	AR161896
38	BD066182	16.2	1.0	22	1	BD066182
39	E41382	16.2	1.0	23	1	E41382
40	AR099499	15.8	1.0	20	1	AR099499
41	AR178780	15.8	1.0	20	1	AR178780
42	AR182885	15.8	1.0	20	1	AR182885
43	AR221407	15.8	1.0	20	1	AR221407
44	AR271204	15.8	1.0	20	1	AR271204
45	AX104051	15.8	1.0	20	1	AX104051
46	AX355382	15.8	1.0	20	1	AX355382
47	AX547104	15.8	1.0	20	1	AX547104
48	BD069976	15.8	1.0	20	1	BD069976
49	AR109586	15.8	1.0	21	1	AR109586
50	AX094992	15.8	1.0	21	1	AX094992
51	AX095827	15.8	1.0	21	1	AX095827
52	AX146231	15.8	1.0	21	1	AX146231
53	E08187	15.6	1.0	21	1	E08187
54	L78581	15.6	1.0	22	1	L78581
55	DOG2016P01	15.4	1.0	17	1	DOG2016P01
56	A88670	15.4	1.0	17	1	A88670
57	A90637	15.4	1.0	17	1	A90637
58	BD066183	15.4	1.0	17	1	BD066183
59	BD141639	15.4	1.0	17	1	BD141639
60	A67594	15.4	1.0	18	1	A67594
61	AR089732	15.4	1.0	18	1	AR089732
62	AR315298	15.4	1.0	20	1	AR315298
63	BD139686	15.2	1.0	22	1	BD139686
64	AR137400	15.2	1.0	20	1	AR137400
65	AR174482	15.2	1.0	20	1	AR174482
66	AR212475	15.2	1.0	20	1	AR212475
67	AR217890	15.2	1.0	20	1	AR217890
68	AX027702	15.2	1.0	20	1	AX027702
69	AR001196	15.2	1.0	21	1	AR001196
70	AX154080	15.2	1.0	21	1	AX154080
71	E11034	15.2	1.0	21	1	E11034
72	I07164	15	1.0	16	1	I07164
73	SSAJ793	15	1.0	19	1	SSAJ793
74	AS1144	15	1.0	21	1	AS1144

107	15	1.0	21	1	A76969	ACCESSION: A76969	180	14.2	0.9	20	1	AR234546	ACCESSION: AR234546
108	14.8	0.9	18	1	A67588	ACCESSION: A67588	C 181	14.2	0.9	20	1	AR262768	ACCESSION: AR262768
C 109	14.8	0.9	18	1	AR085574	ACCESSION: AR085574	C 182	14.2	0.9	20	1	AR271167	ACCESSION: AR271167
110	14.8	0.9	18	1	AR085577	ACCESSION: AR085577	C 183	14.2	0.9	20	1	AX008654	ACCESSION: AX008654
111	14.8	0.9	18	1	AR083726	ACCESSION: AR083726	C 184	14.2	0.9	20	1	AX009450	ACCESSION: AX009450
112	14.8	0.9	18	1	AR171053	ACCESSION: AR171053	C 185	14.2	0.9	20	1	AX037348	ACCESSION: AX037348
113	14.8	0.9	18	1	AX063650	ACCESSION: AX063650	C 186	14.2	0.9	20	1	AX048785	ACCESSION: AX048785
C 114	14.8	0.9	18	1	AX115187	ACCESSION: AX115187	C 187	14.2	0.9	20	1	AX224942	ACCESSION: AX224942
115	14.8	0.9	18	1	BD178357	ACCESSION: BD178357	C 188	14.2	0.9	20	1	AX224943	ACCESSION: AX224943
116	14.8	0.9	19	1	AR101713	ACCESSION: AR101713	C 189	14.2	0.9	20	1	AX293815	ACCESSION: AX293815
117	14.8	0.9	20	1	AR052628	ACCESSION: AR052628	C 190	14.2	0.9	20	1	AX299012	ACCESSION: AX299012
C 118	14.8	0.9	20	1	AR124135	ACCESSION: AR124135	C 191	14.2	0.9	20	1	AX671167	ACCESSION: AX671167
C 119	14.8	0.9	20	1	AR123752	ACCESSION: AR123752	C 192	14.2	0.9	20	1	BD006253	ACCESSION: BD006253
C 120	14.8	0.9	20	1	AX224938	ACCESSION: AX224938	C 193	14.2	0.9	20	1	BD073147	ACCESSION: BD073147
C 121	14.8	0.9	20	1	AX250649	ACCESSION: AX250649	C 194	14.2	0.9	20	1	BD138116	ACCESSION: BD138116
C 122	14.8	0.9	20	1	AX250651	ACCESSION: AX250651	C 195	14.2	0.9	20	1	BD163107	ACCESSION: BD163107
C 123	14.8	0.9	20	1	BD001973	ACCESSION: BD001973	C 196	14.2	0.9	20	1	E05616	ACCESSION: E05616
C 124	14.8	0.9	20	1	BD178509	ACCESSION: BD178509	C 197	14.2	0.9	20	1	E34262	ACCESSION: E34262
C 125	14.8	0.9	20	1	E31674	ACCESSION: E31674	C 198	14.2	0.9	20	1	I12355	ACCESSION: I12355
C 126	14.8	0.9	20	1	I12609	ACCESSION: I12609	C 199	14.2	0.9	20	1	I19642	ACCESSION: I19642
C 127	14.8	0.9	21	1	A56957	ACCESSION: A56957	C 200	14.2	0.9	20	1	I27426	ACCESSION: I27426
C 128	14.8	0.9	21	1	AR052917	ACCESSION: AR052917	C 201	14.2	0.9	20	1	I27459	ACCESSION: I27459
C 129	14.8	0.9	21	1	AR054280	ACCESSION: AR054280	C 202	14.2	0.9	20	1	I33964	ACCESSION: I33964
C 130	14.8	0.9	21	1	AR054482	ACCESSION: AR054482	C 203	14.2	0.9	20	1	I72721	ACCESSION: I72721
131	14.8	0.9	21	1	AR148289	ACCESSION: AR148289	C 204	14	0.9	15	1	A86671	ACCESSION: A86671
132	14.8	0.9	21	1	AX132627	ACCESSION: AX132627	C 205	14	0.9	15	1	A86638	ACCESSION: A86638
C 133	14.4	0.9	17	1	A31925	ACCESSION: A31925	C 206	14	0.9	15	1	AR116349	ACCESSION: AR116349
C 134	14.4	0.9	17	1	AR053075	ACCESSION: AR053075	C 207	14	0.9	15	1	AR131625	ACCESSION: AR131625
C 135	14.4	0.9	17	1	AR065036	ACCESSION: AR065036	C 208	14	0.9	15	1	BD066184	ACCESSION: BD066184
C 136	14.4	0.9	17	1	AX423136	ACCESSION: AX423136	C 209	14	0.9	16	1	AX007862	ACCESSION: AX007862
C 137	14.4	0.9	17	1	I32581	ACCESSION: I32581	C 210	14	0.9	17	1	AX216347	ACCESSION: AX216347
C 138	14.4	0.9	18	1	AR181637	ACCESSION: AR181637	C 211	14	0.9	17	1	AX216895	ACCESSION: AX216895
C 139	14.4	0.9	18	1	AR196700	ACCESSION: AR196700	C 212	14	0.9	18	1	AR029261	ACCESSION: AR029261
C 140	14.4	0.9	19	1	AR295385	ACCESSION: AR295385	C 213	14	0.9	19	1	AR141675	ACCESSION: AR141675
141	14.4	0.9	20	1	AX123738	ACCESSION: AX123738	C 214	14	0.9	19	1	AX052895	ACCESSION: AX052895
C 142	14.4	0.9	20	1	AR163839	ACCESSION: AR163839	C 215	14	0.9	20	1	AR086184	ACCESSION: AR086184
C 143	14.4	0.9	20	1	AR163929	ACCESSION: AR163929	C 216	14	0.9	20	1	AR116329	ACCESSION: AR116329
C 144	14.4	0.9	20	1	AR163930	ACCESSION: AR163930	C 217	14	0.9	20	1	AR172916	ACCESSION: AR172916
C 145	14.4	0.9	20	1	AR208802	ACCESSION: AR208802	C 218	14	0.9	20	1	AR176750	ACCESSION: AR176750
C 146	14.4	0.9	20	1	AX456510	ACCESSION: AX456510	C 219	14	0.9	20	1	AR296674	ACCESSION: AR296674
147	14.4	0.9	20	1	AX613784	ACCESSION: AX613784	C 220	14	0.9	20	1	AX360175	ACCESSION: AX360175
C 148	14.4	0.9	20	1	BD090479	ACCESSION: BD090479	C 221	14	0.9	20	1	BD016571	ACCESSION: BD016571
C 149	14.4	0.9	20	1	BD094649	ACCESSION: BD094649	C 222	13.8	0.9	17	1	AR190074	ACCESSION: AR190074
C 150	14.2	0.9	19	1	E31668	ACCESSION: E31668	C 223	13.8	0.9	17	1	AR285007	ACCESSION: AR285007
C 151	14.2	0.9	19	1	AR161796	ACCESSION: AR161796	C 224	13.8	0.9	17	1	AR300148	ACCESSION: AR300148
152	14.2	0.9	19	1	AX469761	ACCESSION: AX469761	C 225	13.8	0.9	17	1	AX012584	ACCESSION: AX012584
153	14.2	0.9	19	1	AX535777	ACCESSION: AX535777	C 226	13.8	0.9	17	1	AX132429	ACCESSION: AX132429
154	14.2	0.9	19	1	AX557192	ACCESSION: AX557192	C 227	13.8	0.9	17	1	AX215377	ACCESSION: AX215377
C 155	14.2	0.9	19	1	BD094590	ACCESSION: BD094590	C 228	13.8	0.9	17	1	AX215399	ACCESSION: AX215399
C 156	14.2	0.9	20	1	D0GP18802	ACCESSION: D0GP18802	C 229	13.8	0.9	17	1	AX216373	ACCESSION: AX216373
C 157	14.2	0.9	20	1	AR027799	ACCESSION: AR027799	C 230	13.8	0.9	17	1	AX216946	ACCESSION: AX216946
C 158	14.2	0.9	20	1	AR028728	ACCESSION: AR028728	C 231	13.8	0.9	17	1	AX273287	ACCESSION: AX273287
C 159	14.2	0.9	20	1	AR036620	ACCESSION: AR036620	C 232	13.8	0.9	17	1	AX326057	ACCESSION: AX326057
C 160	14.2	0.9	20	1	AR037348	ACCESSION: AR037348	C 233	13.8	0.9	17	1	AX326058	ACCESSION: AX326058
161	14.2	0.9	20	1	AR040531	ACCESSION: AR040531	C 234	13.8	0.9	17	1	AX422333	ACCESSION: AX422333
C 162	14.2	0.9	20	1	AR060544	ACCESSION: AR060544	C 235	13.8	0.9	17	1	AX422334	ACCESSION: AX422334
C 163	14.2	0.9	20	1	AR068763	ACCESSION: AR068763	C 236	13.8	0.9	17	1	AX422337	ACCESSION: AX422337
C 164	14.2	0.9	20	1	AR069073	ACCESSION: AR069073	C 237	13.8	0.9	17	1	AX499047	ACCESSION: AX499047
C 165	14.2	0.9	20	1	AR073640	ACCESSION: AR073640	C 238	13.8	0.9	17	1	AX530992	ACCESSION: AX530992
C 166	14.2	0.9	20	1	AR084462	ACCESSION: AR084462	C 239	13.8	0.9	17	1	AX531303	ACCESSION: AX531303
C 167	14.2	0.9	20	1	AR100185	ACCESSION: AR100185	C 240	13.8	0.9	17	1	AX531304	ACCESSION: AX531304
C 168	14.2	0.9	20	1	AR102403	ACCESSION: AR102403	C 241	13.8	0.9	17	1	AX531305	ACCESSION: AX531305
C 169	14.2	0.9	20	1	AR124487	ACCESSION: AR124487	C 242	13.8	0.9	17	1	AX531620	ACCESSION: AX531620
C 170	14.2	0.9	20	1	AR130116	ACCESSION: AR130116	C 243	13.8	0.9	17	1	AX531621	ACCESSION: AX531621
C 171	14.2	0.9	20	1	AR137875	ACCESSION: AR137875	C 244	13.8	0.9	17	1	AX531622	ACCESSION: AX531622
C 172	14.2	0.9	20	1	AR139321	ACCESSION: AR139321	C 245	13.8	0.9	17	1	AX531927	ACCESSION: AX531927
C 173	14.2	0.9	20	1	AR149869	ACCESSION: AR149869	C 246	13.8	0.9	17	1	AX532239	ACCESSION: AX532239
C 174	14.2	0.9	20	1	AR178908	ACCESSION: AR178908	C 247	13.8	0.9	17	1	AX687668	ACCESSION: AX687668
C 175	14.2	0.9	20	1	AR201438	ACCESSION: AR201438	C 248	13.8	0.9	17	1	BD013533	ACCESSION: BD013533
C 176	14.2	0.9	20	1	AR206614	ACCESSION: AR206614	C 249	13.8	0.9	17	1	BD104924	ACCESSION: BD104924
C 177	14.2	0.9	20	1	AR220167	ACCESSION: AR220167	C 250	13.8	0.9	17	1	BD105163	ACCESSION: BD105163
C 178	14.2	0.9	20	1	AR221462	ACCESSION: AR221462	C 251	13.8	0.9	17	1	I46478	ACCESSION: I46478
179	14.2	0.9	20	1	AR224718	ACCESSION: AR224718	C 252	13.8	0.9	17	1	I46479	ACCESSION: I46479

253	13.8	0.9	18	1	A88003	ACCESSION:A88003	326	13.4	0.9	17	1	AX422879	ACCESSION:AX422879
254	13.8	0.9	18	1	A89970	ACCESSION:A89970	327	13.4	0.9	17	1	AX422915	ACCESSION:AX422915
255	13.8	0.9	18	1	A94014	ACCESSION:A94014	328	13.4	0.9	17	1	AX423599	ACCESSION:AX423599
256	13.8	0.9	18	1	AR042339	ACCESSION:AR042339	329	13.4	0.9	17	1	AX498855	ACCESSION:AX498855
257	13.8	0.9	18	1	AR073408	ACCESSION:AR073408	330	13.4	0.9	17	1	AX498856	ACCESSION:AX498856
258	13.8	0.9	18	1	AR098790	ACCESSION:AR098790	331	13.4	0.9	17	1	AX498857	ACCESSION:AX498857
259	13.8	0.9	18	1	AR187553	ACCESSION:AR187553	332	13.4	0.9	17	1	AX687669	ACCESSION:AX687669
260	13.8	0.9	18	1	AR196702	ACCESSION:AR196702	333	13.4	0.9	17	1	AX687670	ACCESSION:AX687670
261	13.8	0.9	18	1	AR208235	ACCESSION:AR208235	334	13.4	0.9	17	1	AX687747	ACCESSION:AX687747
262	13.8	0.9	18	1	AR264376	ACCESSION:AR264376	335	13.4	0.9	17	1	AX687748	ACCESSION:AX687748
263	13.8	0.9	18	1	AR284966	ACCESSION:AR284966	336	13.4	0.9	17	1	AX687749	ACCESSION:AX687749
264	13.8	0.9	18	1	AX003659	ACCESSION:AX003659	337	13.4	0.9	17	1	AX723430	ACCESSION:AX723430
265	13.8	0.9	18	1	AX003663	ACCESSION:AX003663	338	13.4	0.9	17	1	AX723430	ACCESSION:AX723430
266	13.8	0.9	18	1	AX012542	ACCESSION:AX012542	339	13.4	0.9	17	1	AX728094	ACCESSION:AX728094
267	13.8	0.9	18	1	AX111434	ACCESSION:AX111434	340	13.4	0.9	17	1	AX729048	ACCESSION:AX729048
268	13.8	0.9	18	1	AX286197	ACCESSION:AX286197	341	13.4	0.9	17	1	BD058091	ACCESSION:BD058091
269	13.8	0.9	18	1	AX637770	ACCESSION:AX637770	342	13.4	0.9	17	1	BD058092	ACCESSION:BD058092
270	13.8	0.9	18	1	AX644831	ACCESSION:AX644831	343	13.4	0.9	17	1	E33640	ACCESSION:E33640
271	13.8	0.9	18	1	BD065516	ACCESSION:BD065516	344	13.4	0.9	17	1	I26645	ACCESSION:I26645
272	13.8	0.9	18	1	E06269	ACCESSION:E06269	345	13.4	0.9	18	1	AR7319	ACCESSION:AR7319
273	13.8	0.9	18	1	E06465	ACCESSION:E06465	346	13.4	0.9	18	1	AR096628	ACCESSION:AR096628
274	13.8	0.9	18	1	I21664	ACCESSION:I21664	347	13.4	0.9	18	1	AX003666	ACCESSION:AX003666
275	13.8	0.9	18	1	I21665	ACCESSION:I21665	348	13.4	0.9	18	1	AX353569	ACCESSION:AX353569
276	13.8	0.9	18	1	I76077	ACCESSION:I76077	349	13.4	0.9	18	1	AX412098	ACCESSION:AX412098
277	13.8	0.9	18	1	I76078	ACCESSION:I76078	350	13.4	0.9	18	1	AX598747	ACCESSION:AX598747
278	13.8	0.9	19	1	A33509	ACCESSION:A33509	351	13.4	0.9	19	1	BD057397	ACCESSION:BD057397
279	13.8	0.9	19	1	AR020487	ACCESSION:AR020487	352	13.4	0.9	19	1	AR222933	ACCESSION:AR222933
280	13.8	0.9	19	1	AR051219	ACCESSION:AR051219	353	13.4	0.9	19	1	AX007819	ACCESSION:AX007819
281	13.8	0.9	19	1	AR053210	ACCESSION:AR053210	354	13.4	0.9	19	1	AX300524	ACCESSION:AX300524
282	13.8	0.9	19	1	AR069473	ACCESSION:AR069473	355	13.4	0.9	19	1	AX421254	ACCESSION:AX421254
283	13.8	0.9	19	1	AR073794	ACCESSION:AR073794	356	13.4	0.9	19	1	AX643373	ACCESSION:AX643373
284	13.8	0.9	19	1	AR162790	ACCESSION:AR162790	357	13.4	0.9	19	1	AX643376	ACCESSION:AX643376
285	13.8	0.9	19	1	AR205717	ACCESSION:AR205717	358	13.4	0.9	19	1	E63275	ACCESSION:E63275
286	13.8	0.9	19	1	AX128970	ACCESSION:AX128970	359	13.2	0.8	18	1	I88039	ACCESSION:I88039
287	13.8	0.9	19	1	AX132668	ACCESSION:AX132668	360	13.2	0.8	18	1	A18145	ACCESSION:A18145
288	13.8	0.9	19	1	AX398139	ACCESSION:AX398139	361	13.2	0.8	18	1	A34806	ACCESSION:A34806
289	13.8	0.9	19	1	AX643372	ACCESSION:AX643372	362	13.2	0.8	18	1	AR007264	ACCESSION:AR007264
290	13.8	0.9	19	1	AX643375	ACCESSION:AX643375	363	13.2	0.8	18	1	AR007265	ACCESSION:AR007265
291	13.8	0.9	19	1	E21863	ACCESSION:E21863	364	13.2	0.8	18	1	AR034870	ACCESSION:AR034870
292	13.8	0.9	19	1	E30322	ACCESSION:E30322	365	13.2	0.8	18	1	AR034880	ACCESSION:AR034880
293	13.8	0.9	19	1	I88034	ACCESSION:I88034	366	13.2	0.8	18	1	AR034902	ACCESSION:AR034902
294	13.8	0.9	33	1	I84406	ACCESSION:I84406	367	13.2	0.8	18	1	AR049396	ACCESSION:AR049396
295	13.8	0.9	43	1	AX146617	ACCESSION:AX146617	368	13.2	0.8	18	1	AR067397	ACCESSION:AR067397
296	13.6	0.9	40	1	AR139321	ACCESSION:AR139321	369	13.2	0.8	18	1	AR067989	ACCESSION:AR067989
297	13.6	0.9	45	1	AX146612	ACCESSION:AX146612	370	13.2	0.8	18	1	AR067990	ACCESSION:AR067990
298	13.4	0.9	15	1	A88145	ACCESSION:A88145	371	13.2	0.8	18	1	AR069478	ACCESSION:AR069478
299	13.4	0.9	15	1	A90112	ACCESSION:A90112	372	13.2	0.8	18	1	AR071801	ACCESSION:AR071801
300	13.4	0.9	15	1	AR084532	ACCESSION:AR084532	373	13.2	0.8	18	1	AR084251	ACCESSION:AR084251
301	13.4	0.9	15	1	AR131624	ACCESSION:AR131624	374	13.2	0.8	18	1	AR084252	ACCESSION:AR084252
302	13.4	0.9	15	1	AR131626	ACCESSION:AR131626	375	13.2	0.8	18	1	AR085578	ACCESSION:AR085578
303	13.4	0.9	15	1	AR278935	ACCESSION:AR278935	376	13.2	0.8	18	1	AR096650	ACCESSION:AR096650
304	13.4	0.9	15	1	AX007909	ACCESSION:AX007909	377	13.2	0.8	18	1	AR097623	ACCESSION:AR097623
305	13.4	0.9	15	1	AX328777	ACCESSION:AX328777	378	13.2	0.8	18	1	AR097624	ACCESSION:AR097624
306	13.4	0.9	15	1	BD065658	ACCESSION:BD065658	379	13.2	0.8	18	1	AR098789	ACCESSION:AR098789
307	13.4	0.9	15	1	BD132342	ACCESSION:BD132342	380	13.2	0.8	18	1	AR153937	ACCESSION:AR153937
308	13.4	0.9	16	1	AR050989	ACCESSION:AR050989	381	13.2	0.8	18	1	AR162795	ACCESSION:AR162795
309	13.4	0.9	16	1	AR204607	ACCESSION:AR204607	382	13.2	0.8	18	1	AR165009	ACCESSION:AR165009
310	13.4	0.9	16	1	AR307317	ACCESSION:AR307317	383	13.2	0.8	18	1	AR168816	ACCESSION:AR168816
311	13.4	0.9	16	1	AX696120	ACCESSION:AX696120	384	13.2	0.8	18	1	AR168817	ACCESSION:AR168817
312	13.4	0.9	16	1	I51790	ACCESSION:I51790	385	13.2	0.8	18	1	AR178168	ACCESSION:AR178168
313	13.4	0.9	16	1	I84399	ACCESSION:I84399	386	13.2	0.8	18	1	AR200285	ACCESSION:AR200285
314	13.4	0.9	17	1	AR112330	ACCESSION:AR112330	387	13.2	0.8	18	1	AR200286	ACCESSION:AR200286
315	13.4	0.9	17	1	AR164080	ACCESSION:AR164080	388	13.2	0.8	18	1	AR205722	ACCESSION:AR205722
316	13.4	0.9	17	1	AR164081	ACCESSION:AR164081	389	13.2	0.8	18	1	AR211763	ACCESSION:AR211763
317	13.4	0.9	17	1	AR286066	ACCESSION:AR286066	390	13.2	0.8	18	1	AR211764	ACCESSION:AR211764
318	13.4	0.9	17	1	AX007921	ACCESSION:AX007921	391	13.2	0.8	18	1	AR211764	ACCESSION:AR211764
319	13.4	0.9	17	1	AX215376	ACCESSION:AX215376	392	13.2	0.8	18	1	AR262417	ACCESSION:AR262417
320	13.4	0.9	17	1	AX215397	ACCESSION:AX215397	393	13.2	0.8	18	1	AR262418	ACCESSION:AR262418
321	13.4	0.9	17	1	AX216951	ACCESSION:AX216951	394	13.2	0.8	18	1	AR267617	ACCESSION:AR267617
322	13.4	0.9	17	1	AX226812	ACCESSION:AX226812	395	13.2	0.8	18	1	AR267618	ACCESSION:AR267618
323	13.4	0.9	17	1	AX227179	ACCESSION:AX227179	396	13.2	0.8	18	1	AR298227	ACCESSION:AR298227
324	13.4	0.9	17	1	AX273063	ACCESSION:AX273063	397	13.2	0.8	18	1	AX015243	ACCESSION:AX015243
325	13.4	0.9	17	1	AX398152	ACCESSION:AX398152	398	13.2	0.8	18	1	AX047272	ACCESSION:AX047272

C 545	12.8	0.8	18	1	A39464	ACCESSION:A39464	618	12.4	0.8	14	1	AX007878	ACCESSION:AX007878
C 546	12.8	0.8	18	1	A63131	ACCESSION:A63131	C 619	12.4	0.8	14	1	AX019396	ACCESSION:AX019396
547	12.8	0.8	18	1	A7987	ACCESSION:A7987	C 620	12.4	0.8	14	1	AX028355	ACCESSION:AX028355
548	12.8	0.8	18	1	A9954	ACCESSION:A9954	621	12.4	0.8	14	1	AX419965	ACCESSION:AX419965
C 549	12.8	0.8	18	1	AX003675	ACCESSION:AX003675	622	12.4	0.8	14	1	BD065423	ACCESSION:BD065423
C 550	12.8	0.8	18	1	AX003677	ACCESSION:AX003677	C 623	12.4	0.8	14	1	BD066715	ACCESSION:BD066715
C 551	12.8	0.8	18	1	AX069474	ACCESSION:AX069474	624	12.4	0.8	14	1	BD068930	ACCESSION:BD068930
C 552	12.8	0.8	18	1	AX070852	ACCESSION:AX070852	625	12.4	0.8	14	1	BD068930	ACCESSION:BD068930
C 553	12.8	0.8	18	1	AX083621	ACCESSION:AX083621	626	12.4	0.8	14	1	AX7986	ACCESSION:AX7986
C 554	12.8	0.8	18	1	AX083623	ACCESSION:AX083623	C 627	12.4	0.8	15	1	A89953	ACCESSION:A89953
C 555	12.8	0.8	18	1	AX096629	ACCESSION:AX096629	C 628	12.4	0.8	15	1	AR041268	ACCESSION:AR041268
C 556	12.8	0.8	18	1	AX096629	ACCESSION:AX096629	C 629	12.4	0.8	15	1	AR050983	ACCESSION:AR050983
C 557	12.8	0.8	18	1	AX098791	ACCESSION:AX098791	C 630	12.4	0.8	15	1	AR131823	ACCESSION:AR131823
C 558	12.8	0.8	18	1	AR100282	ACCESSION:AR100282	C 631	12.4	0.8	15	1	AR180559	ACCESSION:AR180559
C 559	12.8	0.8	18	1	AR105370	ACCESSION:AR105370	C 632	12.4	0.8	15	1	AR204601	ACCESSION:AR204601
C 560	12.8	0.8	18	1	AR117923	ACCESSION:AR117923	C 633	12.4	0.8	15	1	AR307316	ACCESSION:AR307316
C 561	12.8	0.8	18	1	AR120115	ACCESSION:AR120115	C 634	12.4	0.8	15	1	AX003643	ACCESSION:AX003643
C 562	12.8	0.8	18	1	AR121115	ACCESSION:AR121115	C 635	12.4	0.8	15	1	AX028356	ACCESSION:AX028356
C 563	12.8	0.8	18	1	AR123810	ACCESSION:AR123810	C 636	12.4	0.8	15	1	AX328726	ACCESSION:AX328726
C 564	12.8	0.8	18	1	AR123812	ACCESSION:AR123812	C 637	12.4	0.8	15	1	AX328726	ACCESSION:AX328726
C 565	12.8	0.8	18	1	AR149937	ACCESSION:AR149937	C 638	12.4	0.8	15	1	AX355794	ACCESSION:AX355794
C 566	12.8	0.8	18	1	AR157304	ACCESSION:AR157304	C 639	12.4	0.8	15	1	AX361888	ACCESSION:AX361888
C 567	12.8	0.8	18	1	AR157306	ACCESSION:AR157306	C 640	12.4	0.8	15	1	BD065499	ACCESSION:BD065499
C 568	12.8	0.8	18	1	AR162791	ACCESSION:AR162791	C 641	12.4	0.8	15	1	BD132291	ACCESSION:BD132291
C 569	12.8	0.8	18	1	AR196090	ACCESSION:AR196090	C 642	12.4	0.8	15	1	II2919	ACCESSION:II2919
C 570	12.8	0.8	18	1	AR205718	ACCESSION:AR205718	C 643	12.4	0.8	15	1	I51784	ACCESSION:I51784
C 571	12.8	0.8	18	1	AR211741	ACCESSION:AR211741	C 644	12.4	0.8	15	1	I61712	ACCESSION:I61712
C 572	12.8	0.8	18	1	AR258012	ACCESSION:AR258012	C 645	12.4	0.8	15	1	I84393	ACCESSION:I84393
C 573	12.8	0.8	18	1	AR264643	ACCESSION:AR264643	C 646	12.4	0.8	16	1	AR050052	ACCESSION:AR050052
C 574	12.8	0.8	18	1	AR277996	ACCESSION:AR277996	C 647	12.4	0.8	16	1	AX007859	ACCESSION:AX007859
C 575	12.8	0.8	18	1	AR293832	ACCESSION:AR293832	C 648	12.4	0.8	16	1	AX042425	ACCESSION:AX042425
C 576	12.8	0.8	18	1	AX004745	ACCESSION:AX004745	C 649	12.4	0.8	16	1	AX317220	ACCESSION:AX317220
C 577	12.8	0.8	18	1	AX047241	ACCESSION:AX047241	C 650	12.4	0.8	16	1	AX328727	ACCESSION:AX328727
C 578	12.8	0.8	18	1	AX081062	ACCESSION:AX081062	C 651	12.4	0.8	16	1	AX328727	ACCESSION:AX328727
C 579	12.8	0.8	18	1	AX082556	ACCESSION:AX082556	C 652	12.4	0.8	16	1	AX716641	ACCESSION:AX716641
C 580	12.8	0.8	18	1	AX082560	ACCESSION:AX082560	C 653	12.4	0.8	16	1	AX741031	ACCESSION:AX741031
C 581	12.8	0.8	18	1	AX082562	ACCESSION:AX082562	C 654	12.4	0.8	16	1	AX741043	ACCESSION:AX741043
C 582	12.8	0.8	18	1	AX118127	ACCESSION:AX118127	C 655	12.4	0.8	16	1	BD132292	ACCESSION:BD132292
C 583	12.8	0.8	18	1	AX147718	ACCESSION:AX147718	C 656	12.4	0.8	16	1	I28863	ACCESSION:I28863
C 584	12.8	0.8	18	1	AX229739	ACCESSION:AX229739	C 657	12.4	0.8	16	1	I35381	ACCESSION:I35381
C 585	12.8	0.8	18	1	AX278630	ACCESSION:AX278630	C 658	12.4	0.8	17	1	A25087	ACCESSION:A25087
C 586	12.8	0.8	18	1	AX284155	ACCESSION:AX284155	C 659	12.4	0.8	17	1	A25088	ACCESSION:A25088
C 587	12.8	0.8	18	1	AX323452	ACCESSION:AX323452	C 660	12.4	0.8	17	1	A76795	ACCESSION:A76795
C 588	12.8	0.8	18	1	AX394481	ACCESSION:AX394481	C 661	12.4	0.8	17	1	AR027367	ACCESSION:AR027367
C 589	12.8	0.8	18	1	AX356680	ACCESSION:AX356680	C 662	12.4	0.8	17	1	AR028821	ACCESSION:AR028821
C 590	12.8	0.8	18	1	AX659153	ACCESSION:AX659153	C 663	12.4	0.8	17	1	AR034358	ACCESSION:AR034358
C 591	12.8	0.8	18	1	AX705791	ACCESSION:AX705791	C 664	12.4	0.8	17	1	AR074719	ACCESSION:AR074719
C 592	12.8	0.8	18	1	AX708559	ACCESSION:AX708559	C 665	12.4	0.8	17	1	AR091418	ACCESSION:AR091418
C 593	12.8	0.8	18	1	AX713195	ACCESSION:AX713195	C 666	12.4	0.8	17	1	AR125623	ACCESSION:AR125623
C 594	12.8	0.8	18	1	AX718864	ACCESSION:AX718864	C 667	12.4	0.8	17	1	AR189922	ACCESSION:AR189922
C 595	12.8	0.8	18	1	BD012743	ACCESSION:BD012743	C 668	12.4	0.8	17	1	AR286227	ACCESSION:AR286227
C 596	12.8	0.8	18	1	BD065500	ACCESSION:BD065500	C 669	12.4	0.8	17	1	AR286386	ACCESSION:AR286386
C 597	12.8	0.8	18	1	BD074290	ACCESSION:BD074290	C 670	12.4	0.8	17	1	AR286446	ACCESSION:AR286446
C 598	12.8	0.8	18	1	BD104198	ACCESSION:BD104198	C 671	12.4	0.8	17	1	AX139192	ACCESSION:AX139192
C 599	12.8	0.8	18	1	BD106627	ACCESSION:BD106627	C 672	12.4	0.8	17	1	AX139212	ACCESSION:AX139212
C 600	12.8	0.8	18	1	BD107307	ACCESSION:BD107307	C 673	12.4	0.8	17	1	AX214848	ACCESSION:AX214848
C 601	12.8	0.8	18	1	BD171754	ACCESSION:BD171754	C 674	12.4	0.8	17	1	AX215461	ACCESSION:AX215461
C 602	12.8	0.8	18	1	E06267	ACCESSION:E06267	C 675	12.4	0.8	17	1	AX215462	ACCESSION:AX215462
C 603	12.8	0.8	18	1	E06463	ACCESSION:E06463	C 676	12.4	0.8	17	1	AX215726	ACCESSION:AX215726
C 604	12.8	0.8	18	1	E32535	ACCESSION:E32535	C 677	12.4	0.8	17	1	AX216348	ACCESSION:AX216348
C 605	12.8	0.8	18	1	I34449	ACCESSION:I34449	C 678	12.4	0.8	17	1	AX216954	ACCESSION:AX216954
C 606	12.8	0.8	18	1	I73252	ACCESSION:I73252	C 679	12.4	0.8	17	1	AX216955	ACCESSION:AX216955
C 607	12.8	0.8	18	1	ATH524348	ACCESSION:ATH524348	C 680	12.4	0.8	17	1	AX227482	ACCESSION:AX227482
C 608	12.8	0.8	18	1	D0269513	ACCESSION:D0269513	C 681	12.4	0.8	17	1	AX227592	ACCESSION:AX227592
C 609	12.8	0.8	18	1	AB069291	ACCESSION:AB069291	C 682	12.4	0.8	17	1	AX328728	ACCESSION:AX328728
C 610	12.8	0.8	18	1	A62993	ACCESSION:A62993	C 683	12.4	0.8	17	1	AX498854	ACCESSION:AX498854
C 611	12.8	0.8	18	1	AR179068	ACCESSION:AR179068	C 684	12.4	0.8	17	1	AX498858	ACCESSION:AX498858
C 612	12.8	0.8	18	1	AX146616	ACCESSION:AX146616	C 685	12.4	0.8	17	1	AX532312	ACCESSION:AX532312
C 613	12.6	0.8	20	1	BD016571	ACCESSION:BD016571	C 686	12.4	0.8	17	1	AX532313	ACCESSION:AX532313
C 614	12.6	0.8	47	1	AX146611	ACCESSION:AX146611	C 687	12.4	0.8	17	1	AX532314	ACCESSION:AX532314
C 615	12.4	0.8	14	1	AR7910	ACCESSION:AR7910	C 688	12.4	0.8	17	1	AX532315	ACCESSION:AX532315
C 616	12.4	0.8	14	1	A89202	ACCESSION:A89202	C 689	12.4	0.8	17	1	AX532475	ACCESSION:AX532475
C 617	12.4	0.8	14	1	A89877	ACCESSION:A89877	C 690	12.4	0.8	17	1	AX532477	ACCESSION:AX532477

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692	12.4	0.8	17	1	AX673727	ACCESSION:AX673727	C 765	12.2	0.8	17	1	AR185983	ACCESSION:AR185983
693	12.4	0.8	17	1	AX687671	ACCESSION:AX687671	C 766	12.2	0.8	17	1	AR188484	ACCESSION:AR188484
694	12.4	0.8	17	1	AX687746	ACCESSION:AX687746	C 767	12.2	0.8	17	1	AR188509	ACCESSION:AR188509
695	12.4	0.8	17	1	AX687750	ACCESSION:AX687750	C 768	12.2	0.8	17	1	AR188597	ACCESSION:AR188597
696	12.4	0.8	17	1	AX688007	ACCESSION:AX688007	C 769	12.2	0.8	17	1	AR191744	ACCESSION:AR191744
697	12.4	0.8	17	1	AX688008	ACCESSION:AX688008	C 770	12.2	0.8	17	1	AR195605	ACCESSION:AR195605
698	12.4	0.8	17	1	AX688009	ACCESSION:AX688009	C 771	12.2	0.8	17	1	AR195753	ACCESSION:AR195753
699	12.4	0.8	17	1	AX688010	ACCESSION:AX688010	C 772	12.2	0.8	17	1	AR195755	ACCESSION:AR195755
700	12.4	0.8	17	1	AX688727	ACCESSION:AX688727	C 773	12.2	0.8	17	1	AR195755	ACCESSION:AR195755
701	12.4	0.8	17	1	AX688728	ACCESSION:AX688728	C 774	12.2	0.8	17	1	AR196227	ACCESSION:AR196227
702	12.4	0.8	17	1	AX688729	ACCESSION:AX688729	C 775	12.2	0.8	17	1	AR200322	ACCESSION:AR200322
703	12.4	0.8	17	1	AX688730	ACCESSION:AX688730	C 776	12.2	0.8	17	1	AR224299	ACCESSION:AR224299
704	12.4	0.8	17	1	AX688735	ACCESSION:AX688735	C 777	12.2	0.8	17	1	AR242713	ACCESSION:AR242713
705	12.4	0.8	17	1	AX688736	ACCESSION:AX688736	C 778	12.2	0.8	17	1	AR243452	ACCESSION:AR243452
706	12.4	0.8	17	1	AX688737	ACCESSION:AX688737	C 779	12.2	0.8	17	1	AR262453	ACCESSION:AR262453
707	12.4	0.8	17	1	AX688738	ACCESSION:AX688738	C 780	12.2	0.8	17	1	AR285947	ACCESSION:AR285947
708	12.4	0.8	17	1	AX690457	ACCESSION:AX690457	C 781	12.2	0.8	17	1	AR286005	ACCESSION:AR286005
709	12.4	0.8	17	1	AX690458	ACCESSION:AX690458	C 782	12.2	0.8	17	1	AR286300	ACCESSION:AR286300
710	12.4	0.8	17	1	AX690459	ACCESSION:AX690459	C 783	12.2	0.8	17	1	AR286317	ACCESSION:AR286317
711	12.4	0.8	17	1	AX690460	ACCESSION:AX690460	C 784	12.2	0.8	17	1	AR286340	ACCESSION:AR286340
712	12.4	0.8	17	1	AX696158	ACCESSION:AX696158	C 785	12.2	0.8	17	1	AX074458	ACCESSION:AX074458
713	12.4	0.8	17	1	AX722711	ACCESSION:AX722711	C 786	12.2	0.8	17	1	AX074465	ACCESSION:AX074465
714	12.4	0.8	17	1	AX724356	ACCESSION:AX724356	C 787	12.2	0.8	17	1	AX133871	ACCESSION:AX133871
715	12.4	0.8	17	1	AX724898	ACCESSION:AX724898	C 788	12.2	0.8	17	1	AX139210	ACCESSION:AX139210
716	12.4	0.8	17	1	AX726731	ACCESSION:AX726731	C 789	12.2	0.8	17	1	AX165743	ACCESSION:AX165743
717	12.4	0.8	17	1	AX727805	ACCESSION:AX727805	C 790	12.2	0.8	17	1	AX173375	ACCESSION:AX173375
718	12.4	0.8	17	1	AX728285	ACCESSION:AX728285	C 791	12.2	0.8	17	1	AX214609	ACCESSION:AX214609
719	12.4	0.8	17	1	AX729359	ACCESSION:AX729359	C 792	12.2	0.8	17	1	AX215322	ACCESSION:AX215322
720	12.4	0.8	17	1	AX729407	ACCESSION:AX729407	C 793	12.2	0.8	17	1	AX215328	ACCESSION:AX215328
721	12.4	0.8	17	1	AX732545	ACCESSION:AX732545	C 794	12.2	0.8	17	1	AX215379	ACCESSION:AX215379
722	12.4	0.8	17	1	AX733202	ACCESSION:AX733202	C 795	12.2	0.8	17	1	AX215409	ACCESSION:AX215409
723	12.4	0.8	17	1	AX735559	ACCESSION:AX735559	C 796	12.2	0.8	17	1	AX215426	ACCESSION:AX215426
724	12.4	0.8	17	1	AX737927	ACCESSION:AX737927	C 797	12.2	0.8	17	1	AX215427	ACCESSION:AX215427
725	12.4	0.8	17	1	AX738886	ACCESSION:AX738886	C 798	12.2	0.8	17	1	AX215459	ACCESSION:AX215459
726	12.4	0.8	17	1	BD013476	ACCESSION:BD013476	C 799	12.2	0.8	17	1	AX216129	ACCESSION:AX216129
727	12.4	0.8	17	1	BD013496	ACCESSION:BD013496	C 800	12.2	0.8	17	1	AX216149	ACCESSION:AX216149
728	12.4	0.8	17	1	BD067380	ACCESSION:BD067380	C 801	12.2	0.8	17	1	AX216199	ACCESSION:AX216199
729	12.4	0.8	17	1	BD067381	ACCESSION:BD067381	C 802	12.2	0.8	17	1	AX216349	ACCESSION:AX216349
730	12.4	0.8	17	1	BD104453	ACCESSION:BD104453	C 803	12.2	0.8	17	1	AX216893	ACCESSION:AX216893
731	12.4	0.8	17	1	BD104759	ACCESSION:BD104759	C 804	12.2	0.8	17	1	AX216928	ACCESSION:AX216928
732	12.4	0.8	17	1	BD132293	ACCESSION:BD132293	C 805	12.2	0.8	17	1	AX218199	ACCESSION:AX218199
733	12.4	0.8	17	1	125290	ACCESSION:125290	C 806	12.2	0.8	17	1	AX218199	ACCESSION:AX218199
734	12.4	0.8	17	1	138725	ACCESSION:138725	C 807	12.2	0.8	17	1	AX262672	ACCESSION:AX262672
735	12.4	0.8	17	1	138726	ACCESSION:138726	C 808	12.2	0.8	17	1	AX262673	ACCESSION:AX262673
736	12.4	0.8	17	1	161334	ACCESSION:161334	C 809	12.2	0.8	17	1	AX262856	ACCESSION:AX262856
737	12.4	0.8	17	1	161335	ACCESSION:161335	C 810	12.2	0.8	17	1	AX262857	ACCESSION:AX262857
738	12.4	0.8	20	1	164401	ACCESSION:164401	C 811	12.2	0.8	17	1	AX263984	ACCESSION:AX263984
739	12.2	0.8	17	1	AX216373	ACCESSION:AX216373	C 812	12.2	0.8	17	1	AX263985	ACCESSION:AX263985
740	12.2	0.8	17	1	AX216946	ACCESSION:AX216946	C 813	12.2	0.8	17	1	AX266223	ACCESSION:AX266223
741	12.2	0.8	17	1	AX216951	ACCESSION:AX216951	C 814	12.2	0.8	17	1	AX266224	ACCESSION:AX266224
742	12.2	0.8	17	1	AX499046	ACCESSION:AX499046	C 815	12.2	0.8	17	1	AX266303	ACCESSION:AX266303
743	12.2	0.8	17	1	A27313	ACCESSION:A27313	C 816	12.2	0.8	17	1	AX266571	ACCESSION:AX266571
744	12.2	0.8	17	1	A87923	ACCESSION:A87923	C 817	12.2	0.8	17	1	AX266572	ACCESSION:AX266572
745	12.2	0.8	17	1	A89890	ACCESSION:A89890	C 818	12.2	0.8	17	1	AX272790	ACCESSION:AX272790
746	12.2	0.8	17	1	AR042080	ACCESSION:AR042080	C 819	12.2	0.8	17	1	AX273293	ACCESSION:AX273293
747	12.2	0.8	17	1	AR039907	ACCESSION:AR039907	C 820	12.2	0.8	17	1	AX273310	ACCESSION:AX273310
748	12.2	0.8	17	1	AR039163	ACCESSION:AR039163	C 821	12.2	0.8	17	1	AX284039	ACCESSION:AX284039
749	12.2	0.8	17	1	AR039607	ACCESSION:AR039607	C 822	12.2	0.8	17	1	AX325917	ACCESSION:AX325917
750	12.2	0.8	17	1	AR039609	ACCESSION:AR039609	C 823	12.2	0.8	17	1	AX325918	ACCESSION:AX325918
751	12.2	0.8	17	1	AR039611	ACCESSION:AR039611	C 824	12.2	0.8	17	1	AX326181	ACCESSION:AX326181
752	12.2	0.8	17	1	AR039615	ACCESSION:AR039615	C 825	12.2	0.8	17	1	AX326182	ACCESSION:AX326182
753	12.2	0.8	17	1	AR039963	ACCESSION:AR039963	C 826	12.2	0.8	17	1	AX406535	ACCESSION:AX406535
754	12.2	0.8	17	1	AR046684	ACCESSION:AR046684	C 827	12.2	0.8	17	1	AX421748	ACCESSION:AX421748
755	12.2	0.8	17	1	AR074706	ACCESSION:AR074706	C 828	12.2	0.8	17	1	AX422335	ACCESSION:AX422335
756	12.2	0.8	17	1	AR074707	ACCESSION:AR074707	C 829	12.2	0.8	17	1	AX422336	ACCESSION:AX422336
757	12.2	0.8	17	1	AR074708	ACCESSION:AR074708	C 830	12.2	0.8	17	1	AX422818	ACCESSION:AX422818
758	12.2	0.8	17	1	AR074709	ACCESSION:AR074709	C 831	12.2	0.8	17	1	AX423030	ACCESSION:AX423030
759	12.2	0.8	17	1	AR107651	ACCESSION:AR107651	C 832	12.2	0.8	17	1	AX423222	ACCESSION:AX423222
760	12.2	0.8	17	1	AR127639	ACCESSION:AR127639	C 833	12.2	0.8	17	1	AX423276	ACCESSION:AX423276
761	12.2	0.8	17	1	AR140636	ACCESSION:AR140636	C 834	12.2	0.8	17	1	AX423546	ACCESSION:AX423546
762	12.2	0.8	17	1	AR159850	ACCESSION:AR159850	C 835	12.2	0.8	17	1	AX474905	ACCESSION:AX474905
763	12.2	0.8	17	1	AR164573	ACCESSION:AR164573	C 836	12.2	0.8	17	1	AX474906	ACCESSION:AX474906

VERSION AX146613.1 GI:14285006
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens

REFERENCE 1
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 75 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
source 1..50
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 6 a 17 c 13 g 14 t

Query Match 3.1%; Score 48.4; DB 1; Length 50;
Best Local Similarity 98.0%; Pred. No. 0.0013;
Matches 49; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 228 CGGCAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACCCCTTTA 277
|||||
Db 50 CGGCAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACCCCTTTA 1

RESULT 3
AX146614/c
LOCUS AX146614 50 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 76 from Patent WO0134654.
ACCESSION AX146614
VERSION AX146614.1 GI:14285007
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 76 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
source 1..50
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 6 a 19 c 13 g 12 t

Query Match 3.1%; Score 48.4; DB 1; Length 50;
Best Local Similarity 98.0%; Pred. No. 0.0013;
Matches 49; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 228 CGGCAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACCCCTTTA 277
|||||
Db 50 CGGCAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACCCCTTTA 1

RESULT 4
AX146616/c
LOCUS AX146616 50 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 78 from Patent WO0134654.
ACCESSION AX146616
VERSION AX146616.1 GI:14285009
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 71 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
source 1..47
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 11 a 13 c 20 g 3 t

JOURNAL Patent: WO 0134654-A 78 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
source 1..50
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 6 a 19 c 15 g 10 t

Query Match 2.9%; Score 45.2; DB 1; Length 50;
Best Local Similarity 94.0%; Pred. No. 0.0045;
Matches 47; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 228 CGGCAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACCCCTTTA 277
|||||
Db 50 CGGCAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACCCCTTTA 1

RESULT 5
AX146608
LOCUS AX146608 47 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 70 from Patent WO0134654.
ACCESSION AX146608
VERSION AX146608.1 GI:14285001
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 70 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
source 1..47
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 13 a 13 c 18 g 3 t

Query Match 2.8%; Score 43.8; DB 1; Length 47;
Best Local Similarity 95.7%; Pred. No. 0.0075;
Matches 45; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 225 GACCGGCGAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACC 271
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Db 1 GCCCGGCGAGGGGTTCCGGAGAGGAGGAGGACCCCAAAAAGCTGACC 47

RESULT 6
AX146609
LOCUS AX146609 47 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 71 from Patent WO0134654.
ACCESSION AX146609
VERSION AX146609.1 GI:14285002
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE 1
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 71 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
source 1..47
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 11 a 13 c 20 g 3 t

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Query Match      2.8%; Score 43.8; DB 1; Length 47;
Best Local Similarity 95.7%; Pred. No. 0.0075;
Matches 45; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 225 GACCGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACC 271
Db 1 GCGCGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACC 47

RESULT 7
AX146612/c
LOCUS AX146612 45 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 74 from Patent WO0134654.
ACCESSION AX146612
VERSION AX146612.1 GI:14285005
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Strauch,K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 74 17-MAY-2001;
BIODEN, INC. (US)
FEATURES
source
1..45
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 12 a 14 c 10 g 9 t

Query Match      2.8%; Score 43.4; DB 1; Length 45;
Best Local Similarity 97.8%; Pred. No. 0.0086;
Matches 44; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 272 CCTTTAGCCTACAAGCAGTTTATCCCAATGTGGCGGAGAGACC 316
Db 1 CCTTTAGCCTACAAGCAGTTTATCCCAATGTGGCGGAGAGACC 45

RESULT 8
AX146615/c
LOCUS AX146615 50 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 77 from Patent WO0134654.
ACCESSION AX146615
VERSION AX146615.1 GI:14285008
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Strauch,K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 77 17-MAY-2001;
BIODEN, INC. (US)
FEATURES
source
1..50
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 6 a 16 c 16 g 12 t

Query Match      2.7%; Score 42; DB 1; Length 50;
Best Local Similarity 90.0%; Pred. No. 0.015;
Matches 45; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 228 CGGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACCTTTA 277
Db 50 CGGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACCTTTA 1

Query Match      2.6%; Score 41.4; DB 1; Length 43;
Best Local Similarity 97.7%; Pred. No. 0.018;
Matches 42; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 278 GCCTACAAGCAGTTTATCCCAATGTGGCGGAGAGACCCTAG 320
Db 43 GCCTACAAGCAGTTTATCCCAATGTGGCGGAGAGACCCTAG 1

RESULT 9
AX146617/c
LOCUS AX146617 43 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 79 from Patent WO0134654.
ACCESSION AX146617
VERSION AX146617.1 GI:14285010
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Strauch,K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 79 17-MAY-2001;
BIODEN, INC. (US)
FEATURES
source
1..43
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 8 a 10 c 14 g 11 t

Query Match      2.6%; Score 40.6; DB 1; Length 47;
Best Local Similarity 91.5%; Pred. No. 0.026;
Matches 43; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 225 GACCGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACC 271
Db 1 GCGCGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACC 47

RESULT 11
AX146610
LOCUS AX146610 47 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 72 from Patent WO0134654.
ACCESSION AX146610
VERSION AX146610.1 GI:14285003
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Strauch,K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 73 17-MAY-2001;
BIODEN, INC. (US)
FEATURES
source
1..47
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 9 a 15 c 20 g 3 t

Query Match      2.6%; Score 40.6; DB 1; Length 47;
Best Local Similarity 91.5%; Pred. No. 0.026;
Matches 43; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 225 GACCGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACC 271
Db 1 GCGCGGCGAGGGGTTCCGGAGAGAGAGGACCCCAAAAAGCTGACC 47

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FAHM, K.	Profiling tumor specific markers for the diagnosis and treatment of
TITLE	neoplastic disease
JOURNAL	Patent: WO 0240716-A 289 23-MAY-2002;
FEATURES	Cemines, LLC (US)
source	location/Qualifiers
	1. .27
	/organism="synthetic construct"
	/mol_type="genomic DNA"
	/db_xref="taxon:326630"

REFERENCE
1 (bases 1 to 33)
AUTHORS Schalling, M., Hudson, T. J. and Housman, D. E.
TITLE Direct detection of expanded nucleotide repeats in the human genome
JOURNAL Patent: US 5695933-A 7 09-DEC-1997;
FEATURES Location/Qualifiers
1..33
source /organism="unknown"

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BASE COUNT      0 a      11 c      22 g      0 t
Query Match      1.6%; Score 25; DB 1; Length 33;
Best Local Similarity 84.8%; Pred. No. 8.5;
Matches 28; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1351 CAGCGCGCGCGGACCGCGCGCGCGCGCGCGG 1383
Db 1 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 33

RESULT 16
AR063105 AR063105 24 bp DNA linear PAT 29-SEP-1999
LOCUS Sequence 43 from patent US 5844079.
DEFINITION AR063105
ACCESSION AR063105
VERSION AR063105.1 GI:5990796
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Ingham,P.W., McMahon,A.P. and Tabin,C.J.
TITLE Vertebrate embryonic pattern-inducing proteins, and uses related thereto
JOURNAL Patent: US 5844079-A 43 01-DEC-1998;
FEATURES Location/Qualifiers
source 1..24
/organism="unknown"
BASE COUNT      6 a      5 c      11 g      2 t
Query Match      1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCC 547
Db 1 ACCGAGGGCTGGGACGAGATGCC 24

RESULT 17
AR122632 AR122632 24 bp DNA linear PAT 16-MAY-2001
LOCUS Sequence 43 from patent US 6165747.
DEFINITION AR122632
ACCESSION AR122632
VERSION AR122632.1 GI:14106949
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Ingham,P.W., McMahon,A.P., Tabin,C.J., Bumcrot,D.A. and Marti-Gorostiza,E.
TITLE Nucleic acids encoding hedgehog proteins
JOURNAL Patent: US 6165747-A 43 26-DEC-2000;
FEATURES Location/Qualifiers
source 1..24
/organism="unknown"
BASE COUNT      6 a      5 c      11 g      2 t
Query Match      1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCC 547
Db 1 ACCGAGGGCTGGGACGAGATGCC 24

RESULT 18
AR164260 AR164260 24 bp DNA linear PAT 17-OCT-2001
LOCUS Sequence 43 from patent US 6271363.
DEFINITION
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ACCESSION AR164260
VERSION AR164260.1 GI:16235331
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Ingham,P.W., McMahon,A.P. and Tabin,C.J.
TITLE Nucleic acids encoding hedgehog proteins
JOURNAL Patent: US 6271363-A 43 07-AUG-2001;
FEATURES Location/Qualifiers
source 1..24
/organism="unknown"
BASE COUNT      6 a      5 c      11 g      2 t
Query Match      1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCC 547
Db 1 ACCGAGGGCTGGGACGAGATGCC 24

RESULT 19
AR208932 AR208932 24 bp DNA linear PAT 20-JUN-2002
LOCUS Sequence 43 from patent US 6384192.
DEFINITION AR208932
ACCESSION AR208932
VERSION AR208932.1 GI:21510216
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Ingham,P.W., McMahon,A.P. and Tabin,C.J.
TITLE Vertebrate embryonic pattern-inducing proteins
JOURNAL Patent: US 6384192-A 43 07-MAY-2002;
FEATURES Location/Qualifiers
source 1..24
/organism="unknown"
BASE COUNT      6 a      5 c      11 g      2 t
Query Match      1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCC 547
Db 1 ACCGAGGGCTGGGACGAGATGCC 24

RESULT 20
I84401/c I84401 30 bp DNA linear PAT 04-APR-1998
LOCUS Sequence 2 from patent US 5695933.
DEFINITION I84401
ACCESSION I84401
VERSION I84401.1 GI:3021921
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 30)
AUTHORS Schalling,M., Hudson,T.J. and Housman,D.E.
TITLE Direct detection of expanded nucleotide repeats in the human genome
JOURNAL Patent: US 5695933-A 2 09-DEC-1997;
FEATURES Location/Qualifiers
source 1..30
/organism="unknown"
BASE COUNT      0 a      20 c      10 g      0 t
Query Match      1.5%; Score 23.6; DB 1; Length 30;
Best Local Similarity 86.7%; Pred. No. 14;
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Matches 26; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1354 CGCGGGGGGACCGCGGGGGCGCGCGG 1383
Db 30 CGCGGGGGGGCGGGGGGGCGGGGGCGGG 1

RESULT 21
LOCUS A01419/c 31 bp DNA linear PAT 28-APR-1993
DEFINITION Malaria parasitic epitope (T-cell).
ACCESSION A01419
VERSION A01419.1 GI:344347
KEYWORDS synthetic construct
ORGANISM synthetic construct
SOURCE synthetic construct
REFERENCE 1 (bases 1 to 31)
JOURNAL Patent: WO 8810300-A 23 29-DEC-1988;
FEATURES
    source
        Location/Qualifiers
            1..31
                /organism="synthetic construct"
                /mol_type="genomic DNA"
                /db_xref="taxon:32630"
                /db_xref="taxon:32630"

BASE COUNT 0 a 20 c 10 g 0 t 1 others
Query Match 1.5%; Score 23.6; DB 1; Length 31;
Best Local Similarity 86.7%; Pred. No. 14;
Matches 26; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1355 GCGCGGGGACCGCGGGGGCGGGCGG 1384
Db 30 GCGCGGGGCGGGCGGGCGGGCGGGCGG 1

RESULT 22
LOCUS AR242044 30 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 332 from patent US 6472154.
ACCESSION AR242044
VERSION AR242044.1 GI:7287856
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 30)
AUTHORS Garner,H.R., Wren,J.D., Minna,J.D. and Fondon,J.W. III.
TITLE Polymorphic repeats in human genes
JOURNAL Patent: US 6472154-A 332 29-OCT-2002;
FEATURES
    source
        Location/Qualifiers
            1..30
                /organism="unknown"

BASE COUNT 1 a 9 c 20 g 0 t
Query Match 1.4%; Score 22.6; DB 1; Length 30;
Best Local Similarity 86.2%; Pred. No. 20;
Matches 25; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1355 GCGCGGGGACCGCGGGGGCGGGCGG 1383
Db 1 GCGCGGGGCGGGCGGGCGGGCGGGCGG 29

RESULT 23
LOCUS A62993/c 32 bp DNA linear PAT 12-MAR-1998
DEFINITION Sequence 5 from Patent WO9720068.
ACCESSION A62993
VERSION A62993.1 GI:3716865
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 32)
AUTHORS
TITLE
JOURNAL
PUBMED 10831600
REFERENCE 2 (bases 1 to 23)
AUTHORS Palm,K.
TITLE Direct Submission
JOURNAL Submitted (04-OCT-1999) Surgery, Cedars Sinai Medical Center, 8700
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unclassified.
1
REFERENCE Oerum H. and Seeger,C.
AUTHORS METHOD FOR GENERATING MULTIPLE DOUBLE STRANDED NUCLEIC ACIDS
TITLE PATENT: WO 9720068-A 5 05-JUN-1997;
JOURNAL BOEHRINGER MANNHEIM GMBH (DE).
FEATURES
    source
        Location/Qualifiers
            1..32
                /organism="unidentified"
                /mol_type="genomic DNA"
                /db_xref="taxon:32644"
                /db_xref="taxon:32644"

BASE COUNT 0 a 30 c 2 g 0 t
Query Match 1.4%; Score 22.4; DB 1; Length 32;
Best Local Similarity 81.2%; Pred. No. 22;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1543 CGCGGGGGCGGGGGAGGGGGCGGGGG 1574
Db 32 CGCGGGGGGGGGGGGGGGGGGGGGGGGG 1

RESULT 24
LOCUS ARI79068 32 bp DNA linear PAT 16-MAY-2002
DEFINITION Sequence 5 from patent US 6326143.
ACCESSION ARI79068
VERSION ARI79068.1 GI:20220623
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 32)
AUTHORS Orum,H. and Seeger,C.
TITLE Method for generating multiple double stranded nucleic acids
JOURNAL Patent: US 6326143-A 5 04-DEC-2001;
FEATURES
    source
        Location/Qualifiers
            1..32
                /organism="unknown"

BASE COUNT 0 a 30 c 2 g 0 t
Query Match 1.4%; Score 22.4; DB 1; Length 32;
Best Local Similarity 81.2%; Pred. No. 22;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1543 CGCGGGGGCGGGGGAGGGGGCGGGGG 1574
Db 32 CGCGGGGGGGGGGGGGGGGGGGGGGGGG 1

RESULT 25
LOCUS HSA270315 23 bp DNA linear PRI 26-JUL-2000
DEFINITION Homo sapiens sonic hedgehog (Drosophila) homolog (SHH) sense
primer.
ACCESSION AJ270315
VERSION AJ270315.1 GI:9557892
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 23)
AUTHORS Homo sapiens
TITLE Homo sapiens
JOURNAL Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
PUBMED 10831600
REFERENCE 2 (bases 1 to 23)
AUTHORS Palm,K., Salin-Nordstrom,T., Levesque,M.F. and Neuman,T.
TITLE Fetal and adult human CNS stem cells have similar molecular
JOURNAL characteristics and developmental potential
PUBMED 10831600
REFERENCE 2 (bases 1 to 23)
AUTHORS Brain Res. Mol. Brain Res. 78 (1-2), 192-195 (2000)
TITLE
JOURNAL
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Beverly Blvd., Los Angeles, CA 90048, US

COMMENT

Related entry: NM 000193.

FEATURES

Source

1..23
/organism="Homo sapiens"

/mol_type="genomic DNA"

/db_xref="taxon:9606"

misc_feature

1..23

/note="PCR sense primer for sonic hedgehog (Drosophila)

homolog (SHH)"

3 a 4 c 10 g 6 t

BASE COUNT

Query Match 1.4%; Score 22; DB 1; Length 23;

Best Local Similarity 100.0%; Pred. No. 23;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

151 GATGCTGCTGCGGAGATGT 172

|||||

2 GATGCTGCTGCGGAGATGT 23

Db

RESULT 26

AX548364

LOCUS

AX548364 Sequence 288 from Patent WO0240716. 24 bp DNA linear PAT 26-NOV-2002

AX548364 Sequence 288 from Patent WO0240716.

AX548364 Accession AX548364.1 GI:25813398

KEYWORDS

synthetic construct

synthetic construct

artificial sequences.

ORGANISM

REFERENCE

AUTHORS

TITLE

Profiling tumor specific markers for the diagnosis and treatment of

neoplastic disease

Patent: WO 0240716-A 288 23-MAY-2002;

Cemines, LLC (US)

JOURNAL

FEATURES

Source

1..24

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

/note="Probe"

4 a 4 c 10 g 6 t

BASE COUNT

Query Match 1.4%; Score 22; DB 1; Length 24;

Best Local Similarity 100.0%; Pred. No. 24;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

151 GATGCTGCTGCGGAGATGT 172

|||||

3 GATGCTGCTGCGGAGATGT 24

Db

RESULT 27

AX146574/c

LOCUS

AX146574 Sequence 36 from Patent WO0134654. 29 bp DNA linear PAT 31-MAY-2001

AX146574 Sequence 36 from Patent WO0134654.

AX146574 Accession AX146574.1 GI:14284967

KEYWORDS

Homo sapiens (human)

Homo sapiens

Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

AUTHORS

TITLE

Hedgehog fusion proteins and uses

Patent: WO 0134654-A 36 17-MAY-2001;

BIOGEN, INC. (US)

JOURNAL

FEATURES

Source

1..29

/organism="Homo sapiens"

/mol_type="genomic DNA"

/db_xref="taxon:9606"

3 a 14 c

7 t

1.4%; Score 22; DB 1; Length 29;

Best Local Similarity 100.0%; Pred. No. 25;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

221 TGCAGACCGGCGGAGGTTTCG 242

|||||

22 TGCAGACCGGCGGAGGTTTCG 1

Db

RESULT 28

AX417112/c

LOCUS

AX417112 Sequence 37 from Patent WO0198344. 29 bp DNA linear PAT 14-JUN-2002

AX417112 Sequence 37 from Patent WO0198344.

AX417112 Accession AX417112

AX417112.1 GI:21449699

KEYWORDS

synthetic construct

synthetic construct

artificial sequences.

ORGANISM

REFERENCE

AUTHORS

Angiogenesis-modulating compositions and uses

Patent: WO 0198344-A 37 27-DEC-2001;

BIOGEN, INC. (US)

LOCATION/Qualifiers

1..29

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

/note="Oligonucleotide"

3 a 14 c

7 t

1.4%; Score 22; DB 1; Length 29;

Best Local Similarity 100.0%; Pred. No. 25;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY

221 TGCAGACCGGCGGAGGTTTCG 242

|||||

22 TGCAGACCGGCGGAGGTTTCG 1

Db

RESULT 29

AX327693

LOCUS

AX327693 Sequence 29 from Patent WO0183715. 24 bp DNA linear PAT 07-JAN-2002

AX327693 Sequence 29 from Patent WO0183715.

AX327693 Accession AX327693

AX327693.1 GI:18098024

KEYWORDS

synthetic construct

synthetic construct

artificial sequences.

ORGANISM

REFERENCE

AUTHORS

Lee, S.H., Lumeelsky, N., Studer, L. and McKay, R.D.

Derivation of midbrain dopaminergic neurons from embryonic stem

cells

Patent: WO 0183715-A 29 08-NOV-2001;

THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES (US);

Lee, Sang-Hun (KR); Lumeelsky, Nadya (US); Studer, Lorenz (US);

McKay, Ron D. G. (US)

LOCATION/Qualifiers

1..24

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

11 a

5 g

2 t

1.2%; Score 19.2; DB 1; Length 24;

Best Local Similarity 87.5%; Pred. No. 67;

Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 342 GGAAGATCTCCAGAACTCCGAGC 365
Db 1 GGAAGATCACAGAACTCCGAGC 24

RESULT 30
AR154250
LOCUS AR154250 19 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 5 from patent US 6238876.
ACCESSION AR154250
VERSION AR154250.1 GI:15122303
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 19)
AUTHORS Altaba,A,Ruizi.
TITLE Methods and materials for the diagnosis and treatment of sporadic basal cell carcinoma
JOURNAL Patent: US 6238876-A 5 29-MAY-2001;
FEATURES Location/Qualifiers
source 1..19
/organism="unknown"
BASE COUNT 7 a 6 c 3 g 3 t
Query Match 1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 343 GAAGATCTCCAGAACTCC 361
Db 1 GAAGATCTCCAGAACTCC 19

RESULT 31
AR154254
LOCUS AR154254 19 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 9 from patent US 6238876.
ACCESSION AR154254
VERSION AR154254.1 GI:15122307
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 19)
AUTHORS Altaba,A,Ruizi.
TITLE Methods and materials for the diagnosis and treatment of sporadic basal cell carcinoma
JOURNAL Patent: US 6238876-A 9 29-MAY-2001;
FEATURES Location/Qualifiers
source 1..19
/organism="unknown"
BASE COUNT 3 a 5 c 5 g 6 t
Query Match 1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 167 AGATGTCGTCTAGTCC 185
Db 1 AGATGTCGTCTAGTCC 19

RESULT 32
AR028113
LOCUS AR028113 25 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 3 from patent US 5858649.
ACCESSION AR028113
VERSION AR028113.1 GI:5940086
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.

Unclassified.
REFERENCE 1 (bases 1 to 25)
AUTHORS Asgari,M., Blick,M., Bresser,J., Cubbage,M.Lee, and Prashad,N.
TITLE Amplification of mRNA for distinguishing fetal cells in maternal blood
JOURNAL Patent: US 5858649-A 3 12-JAN-1999;
FEATURES Location/Qualifiers
source 1..25
/organism="unknown"
BASE COUNT 0 a 9 c 16 g 0 t
Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 85;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGGCGGGGACCGCGGGCGCGCGC 1381
Db 1 CGGCGGGGCGCGCGCGCGCGCGC 25

RESULT 33
AR030289
LOCUS AR030289 25 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 3 from patent US 5861253.
ACCESSION AR030289
VERSION AR030289.1 GI:5943503
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 25)
AUTHORS Asgari,M., Blick,M., Bresser,J., Cubbage,M.Lee, and Prashad,N.
TITLE Intracellular antigens for identifying fetal cells in maternal blood
JOURNAL Patent: US 5861253-A 3 19-JAN-1999;
FEATURES Location/Qualifiers
source 1..25
/organism="unknown"
BASE COUNT 0 a 9 c 16 g 0 t
Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 85;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGGCGGGGACCGCGGGCGCGCGC 1381
Db 1 CGGCGGGGCGCGCGCGCGCGCGC 25

RESULT 34
AX689173
LOCUS AX689173 25 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1905 from Patent EP1281758.
ACCESSION AX689173
VERSION AX689173.1 GI:29411881
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1905 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..25
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 4 a 11 c 4 g 6 t

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Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 85;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 861 ACTTCTCACTTCTCTGGACCGCA 885
Db 1 AGTTCTCACTATCTCTGCCCGCA 25

RESULT 35
LOCUS 142108 25 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 3 from patent US 5629147.
ACCESSION I42108
VERSION I42108.1 GI:2467603
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 25)
AUTHORS Asgari,M., Blick,M., Bresser,J., Cabbage,M.L. and Prashad,N.
TITLE Enriching and identifying fetal cells in maternal blood for in situ hybridization
JOURNAL Patent: US 5629147-A 3 13-MAY-1997;
FEATURES Location/Qualifiers
source 1..25
BASE COUNT 0 a 9 c 16 g 0 t

Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 85;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGGGGACCGGGGGCGCGGC 1381
Db 1 CGCGGGGCGGGGGCGGGCGGC 25

RESULT 36
LOCUS AR063245 24 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 6 from patent US 5844110.
ACCESSION AR063245
VERSION AR063245.1 GI:5990936
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Gold,B.I.
TITLE Synthetic triple helix-forming compound precursors
JOURNAL Patent: US 5844110-A 6 01-DEC-1998;
FEATURES Location/Qualifiers
source 1..24
BASE COUNT 3 a 9 c 10 g 2 t

Query Match 1.2%; Score 18.2; DB 1; Length 24;
Best Local Similarity 87.0%; Pred. No. 97;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1001 GAGCCGAGGCGTCTCGGGTC 1023
Db 2 GAGCCGAGGCGGCTCGGGTC 24

RESULT 37
LOCUS AX689174 25 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1906 from Patent EP1281758.
ACCESSION AX689174
VERSION AX689174.1 GI:29411892
KEYWORDS

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1906 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..25
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 3 a 11 c 5 g 6 t

Query Match 1.2%; Score 18.2; DB 1; Length 25;
Best Local Similarity 87.0%; Pred. No. 99;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 863 TTCCTCACTTCTCTGGACCGCA 885
Db 2 TTCCTCACTATCTCTGCCCGCA 24

RESULT 38
LOCUS AX689175 25 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1907 from Patent EP1281758.
ACCESSION AX689175
VERSION AX689175.1 GI:29411893
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1907 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..25
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 3 a 11 c 4 g 7 t

Query Match 1.2%; Score 18.2; DB 1; Length 25;
Best Local Similarity 87.0%; Pred. No. 99;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 863 TTCCTCACTTCTCTGGACCGCA 885
Db 1 TTCCTCACTATCTCTGCCCGCA 23

RESULT 39
LOCUS E16681/c 25 bp DNA linear PAT 28-JUL-1999
DEFINITION Primer.
ACCESSION E16681
VERSION E16681.1 GI:5711364
KEYWORDS JP 1998215867-A/3.
SOURCE unidentified
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 25)
AUTHORS Momi,T., Kumagai,H., Higashida,H. and Hama,Y.
TITLE PROTEIN DERIVATIVE, GENE CODING FOR THE PROTEIN AND PRODUCTION OF THE PROTEIN

Query Match	1.1%; Score 17.6; DB 1; Length 25;	
Best Local Similarity	83.3%; Pred. No. 1.2e+02;	
Matches	20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;	
QY	195 CGCTGCTGATGCTCGGACTGG 218	
Db	1 CACTGCTGCTGCTGAGGACTGG 24	
RESULT 44		
LOCUS	AX689172	
DEFINITION	Sequence 1904 from Patent EP1281758.	
ACCESSION	AX689172	
VERSION	AX689172.1 GI:29411880	
KEYWORDS	Homo sapiens (human)	
SOURCE	Homo sapiens	
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	
REFERENCE	Shannon, M., Gu, Y. and Nguyen, C.T.	
AUTHORS	Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12	
TITLE	Patent: EP 1281758-A 1904 05-FEB-2003;	
JOURNAL	Neomica, Inc. (US)	
FEATURES	Location/Qualifiers	
source	1..25	
BASE COUNT	3 a 12 c 4 g 6 t	
Query Match	1.1%; Score 17.6; DB 1; Length 25;	
Best Local Similarity	83.3%; Pred. No. 1.2e+02;	
Matches	20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;	
QY	861 ACTTCCTCACTTTCCTGGACCGG 884	
Db	2 AGTTCCTCACTATCCTGCGCGG 25	
RESULT 45		
LOCUS	AR028416/c	
DEFINITION	Sequence 31 from patent US 5858671.	
ACCESSION	AR028416	
VERSION	AR028416.1 GI:5940389	
KEYWORDS	Unknown.	
SOURCE	Unknown.	
ORGANISM	Unclassified.	
REFERENCE	1 (bases 1 to 24)	
AUTHORS	Jones, D.H.	
TITLE	Iterative and regenerative DNA sequencing method	
JOURNAL	Patent: US 5858671-A 31 12-JAN-1999;	
FEATURES	Location/Qualifiers	
source	1..24	
BASE COUNT	4 a 6 c 11 g 2 t 1 others	
Query Match	1.1%; Score 17.2; DB 1; Length 24;	
Best Local Similarity	82.6%; Pred. No. 1.4e+02;	
Matches	19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;	
QY	1305 CGCTCCTGGCTGCACCTGGCGCC 1327	
Db	24 CACTCCTGCTGCTGAGGACTGG 2	
RESULT 46		
LOCUS	AR130926	
DEFINITION	Sequence 31 from patent US 6190889.	
ACCESSION	AR130926	
VERSION	AR130926.1 GI:14119251	
KEYWORDS	Unknown.	
SOURCE	Unknown.	
ORGANISM	Unclassified.	
REFERENCE	1 (bases 1 to 24)	
AUTHORS	Jones, D.H.	
TITLE	Methods for removing primer sequences and blocking restriction endonuclease recognition domains	
JOURNAL	Patent: US 6190889-A 31 20-FEB-2001;	
FEATURES	Location/Qualifiers	
source	1..24	
BASE COUNT	4 a 6 c 11 g 2 t 1 others	
Query Match	1.1%; Score 17.2; DB 1; Length 24;	
Best Local Similarity	82.6%; Pred. No. 1.4e+02;	
Matches	19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;	
QY	1305 CGCTCCTGGCTGCACCTGGCGCC 1327	
Db	24 CACTCCTGCTGCTGAGGACTGG 2	
RESULT 47		
LOCUS	AR161892/c	
DEFINITION	Sequence 31 from patent US 6258533.	
ACCESSION	AR161892	
VERSION	AR161892.1 GI:16228893	
KEYWORDS	Unknown.	
SOURCE	Unknown.	
ORGANISM	Unclassified.	
REFERENCE	1 (bases 1 to 24)	
AUTHORS	Jones, D.H.	
TITLE	Iterative and regenerative DNA sequencing method	
JOURNAL	Patent: US 6258533-A 31 10-JUL-2001;	
FEATURES	Location/Qualifiers	
source	1..24	
BASE COUNT	4 a 6 c 11 g 2 t 1 others	
Query Match	1.1%; Score 17.2; DB 1; Length 24;	
Best Local Similarity	82.6%; Pred. No. 1.4e+02;	
Matches	19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;	
QY	1305 CGCTCCTGGCTGCACCTGGCGCC 1327	
Db	24 CACTCCTGCTGCTGAGGACTGG 2	
RESULT 48		
LOCUS	AR240225	
DEFINITION	Sequence 12 from patent US 6468756.	
ACCESSION	AR240225	
VERSION	AR240225.1 GI:127285302	
KEYWORDS	Unknown.	
SOURCE	Unknown.	
ORGANISM	Unclassified.	
REFERENCE	1 (bases 1 to 24)	
AUTHORS	Bonini, J.A., Borowsky, B.E., Adham, N., Boyle, N. and Thompson, T.O.	
TITLE	Methods of identifying compounds that bind to SNORF25 receptors	
JOURNAL	Patent: US 6468756-A 12 22-OCT-2002;	
FEATURES	Location/Qualifiers	
source	1..24	
BASE COUNT	10 a 4 c 9 g 1 t	

```

Query Match      1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 86.4%; Pred. No. 1.4e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1247 GTCATCGAGGAGCACAGCTGGG 1268
Db 3 GACAAAGAGGAGCACAGCTGGG 24

RESULT 49
AX548360/c
LOCUS AX548360 24 bp DNA linear PAT 26-NOV-2002
DEFINITION Sequence 284 from Patent WO0240716.
ACCESSION AX548360
VERSION AX548360.1 GI:25813394
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Palm, K.
TITLE Profiling tumor specific markers for the diagnosis and treatment of
neoplastic disease
JOURNAL Patent: WO 0240716-A 284 23-MAY-2002;
Cemines, LLC (US)
FEATURES
source
Location/Qualifiers
1..24
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Probe"
BASE COUNT 6 a 6 c 9 g 3 t

Query Match      1.1%; Score 16.8; DB 1; Length 24;
Best Local Similarity 90.0%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1303 CGCGCTCCTGGTGCCTGG 1322
Db 20 CGCGCTCCTGGTGCCTAG 1

RESULT 50
AR063245/c
LOCUS AR063245 24 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 6 from patent US 5844110.
ACCESSION AR063245
VERSION AR063245.1 GI:5990936
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 24)
AUTHORS Gold, B.I.
TITLE Synthetic triple helix-forming compound precursors
JOURNAL Patent: US 5844110-A 6 01-DEC-1998;
LOCATION/Qualifiers
1..24
/organism="unknown"
BASE COUNT 3 a 9 c 10 g 2 t

Query Match      1.1%; Score 16.6; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1001 GAGCCCGAGGCGTCTCGGGTC 1023
Db 24 GAGCCCGAGGCGCTCGGGCTC 2

RESULT 51
AR137168/c
LOCUS AR137168 18 bp DNA linear PAT 16-JUN-2001

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DEFINITION Sequence 23 from patent US 6197312.
ACCESSION AR137168
VERSION AR137168.1 GI:14478677
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Peak, I. Richard, Anselm., Jennings, M. Paul. and Moxon, E. Richard.
TITLE Surface antigen
JOURNAL Patent: US 6197312-A 23 06-MAR-2001;
LOCATION/Qualifiers
1..18
/organism="unknown"
BASE COUNT 3 a 9 c 0 g 6 t

Query Match      1.0%; Score 16.4; DB 1; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 329 GGAAGGTATGAAGGGAAG 346
Db 18 GGAAGGTTTGAAGGGAAG 1

RESULT 52
BD136502/c
LOCUS BD136502 18 bp DNA linear PAT 18-SEP-2002
DEFINITION Novel surface antigen.
ACCESSION BD136502
VERSION BD136502.1 GI:23231447
KEYWORDS JP 2002508394-A/13;
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS Peak, I.R., Jennings, M.P. and Moxon, R.E.
TITLE Novel surface antigen
JOURNAL Patent: JP 2002508394-A 13 19-MAR-2002;
THE UNIVERSITY OF QUEENSLAND
COMMENT OS Artificial Sequence
PN JP 2002508394-A/13
PD 19-MAR-2002
PF 14-DEC-1998 JP 2000539055
PR 12-DEC-1997 GB 9726398.2
PI IAN RICHARD PEAK, MICHAEL PAUL JENNINGS, RICHARD E MOXON PC
C07K14/22, A61K38/00, A61K39/395, A61P31/04, C07K16/12, C12N1/21, PC
C12N15/09,
PC C12Q1/68//C12P21/08, A61K37/02, C12N15/00
CC Description of Artificial Sequence: 3' oligonucleotide primer
for PCR
FH Key Location/Qualifiers
FT source 1..18
/organism="Artificial Sequence".
FEATURES
source
Location/Qualifiers
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 3 a 9 c 0 g 6 t

Query Match      1.0%; Score 16.4; DB 1; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 329 GGAAGGTATGAAGGGAAG 346
Db 18 GGAAGGTTTGAAGGGAAG 1

RESULT 53
AX537662/c
LOCUS AX537662 20 bp DNA linear PAT 23-NOV-2002

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DEFINITION Sequence 12 from Patent EP1241269.

ACCESSION AX537662

VERSION AX537662.1 GI:25269615

KEYWORDS synthetic construct

SOURCE synthetic construct

ORGANISM artificial sequences.

REFERENCE 1

AUTHORS Heiskala,M.

TITLE Method for detecting reg-like protein and nucleic acids coding

JOURNAL therefor

DEFINITION Patent: EP 1241269-A 12 18-SEP-2002;

ACCESSION Ortho-Clinical Diagnostics, Inc. (US)

VERSION 1. .20

KEYWORDS Location/Qualifiers

SOURCE 1. .20

ORGANISM /organism="synthetic construct"

REFERENCE /mol_type="genomic DNA"

AUTHORS /db_xref="taxon:32630"

TITLE /note="Artificial"

JOURNAL 2 a 5 c 7 g 6 t

DEFINITION Query Match

ACCESSION Best Local Similarity 1.0%; Score 16.4; DB 1; Length 20;

VERSION 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

KEYWORDS Matches

SOURCE 1249 CATCGAGGACACAGCTG 1266

ORGANISM 18 CATCGAGGACACAGCTG 1

REFERENCE RESULT 54

AUTHORS A58260

TITLE A58260

JOURNAL Sequence 1 from Patent WO9635793.

DEFINITION A58260

ACCESSION A58260

VERSION A58260.1 GI:3713937

KEYWORDS 1. .21

SOURCE unidentified

ORGANISM unidentified

REFERENCE 1

AUTHORS Gagne,M.

TITLE ANIMAL GENE THERAPY

JOURNAL Patent: WO 9635793-A 1 14-NOV-1996;

COMMENT IMMUNOVA (CA)

DEFINITION Other publication AU 5641696 961129.

ACCESSION Location/Qualifiers

VERSION 1. .21

KEYWORDS /organism="unidentified"

SOURCE /mol_type="genomic DNA"

ORGANISM /db_xref="taxon:32644"

REFERENCE 10 a 1 c 4 g 6 t

AUTHORS Query Match

TITLE Best Local Similarity 1.0%; Score 16.4; DB 1; Length 21;

JOURNAL Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DEFINITION 408 TTAAGGATGAAGAAACA 425

ACCESSION 1 TTAAGGTTGAAGAAACA 18

VERSION AX244168

KEYWORDS Sequence 13 from Patent WO0166754.

SOURCE AX244168

ORGANISM AX244168.1 GI:15859223

REFERENCE 1

AUTHORS synthetic construct

TITLE synthetic construct

JOURNAL artificial sequences.

DEFINITION 1

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

Vaughan,T.J., Wilton,A.J. and Smith,S.

Human antibodies against eotaxin and their use

Patent: WO 0165754-A 13 13-SEP-2001;

Cambridge Antibody Technology Limited (GB)

DEFINITION Location/Qualifiers

ACCESSION 1. .21

VERSION /organism="synthetic construct"

KEYWORDS /mol_type="genomic DNA"

SOURCE /db_xref="taxon:32630"

ORGANISM /note="Primer"

REFERENCE 3 a 4 c 11 g 3 t

AUTHORS Query Match

TITLE Best Local Similarity 1.0%; Score 16.4; DB 1; Length 21;

JOURNAL Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

DEFINITION 763 GGTGCACCTGGAGCAGGG 780

ACCESSION 4 GGTGCTCTGGAGCAGGG 21

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

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REFERENCE

AUTHORS

TITLE

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DEFINITION

ACCESSION

VERSION

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SOURCE

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AUTHORS

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VERSION

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REFERENCE

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DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

ORGANISM	UNKNOWN.
REFERENCE	Unclassified.
AUTHORS	1 (bases 1 to 21)
TITLE	Matson,R.S., Coassin,P.J., Ramsal,J.B. and Caskey,C.Thomas. Oligonucleotide repeat arrays

RESULT 63

A88669	A88669	Sequence 817 from Patent WO9833904.	22 bp	DNA	linear	PAT 22-JAN-2000
LOCUS						
DEFINITION						
ACCESSION	A88669					
VERSION	A88669.1	GI:6737239				
KEYWORDS						
SOURCE	unidentified					
ORGANISM	unclassified.					
REFERENCE	1 (bases 1 to 22)					
AUTHORS	Brysch,W. and Schlingensiepen,K.					
TITLE	AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD					
JOURNAL	Patent: WO 9833904-A 817 06-AUG-1998;					
FEATURES	BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)					
source	Location/Qualifiers					
	1..22					
	/organism="unidentified"					
	/mol_type="genomic DNA"					
	/db_xref="taxon:32644"					
BASE COUNT	1 a 4 c 16 g	1 t				
Query Match	1.0%; Score 16.2; DB 1; Length 22;					
Best Local Similarity	85.7%; Pred.No.2e+02;					
Matches	18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;					
QY	1368 GCGGGGCGGGCGGCAGAG 1388					
Db	2 GAGGGGCGGGCGGCAGGTG 22					
RESULT 64						
A90636	A90636	Sequence 817 from Patent EP0856579.	22 bp	DNA	linear	PAT 22-JAN-2000
LOCUS						
DEFINITION						
ACCESSION	A90636					
VERSION	A90636.1	GI:6739150				
KEYWORDS						
SOURCE	unidentified					
ORGANISM	unclassified.					
REFERENCE	1 (bases 1 to 22)					
AUTHORS	Brysch,W.D. and Schlingensiepen,K.D.					
TITLE	An antisense oligonucleotide preparation method					
JOURNAL	Patent: EP 0856579-A 817 05-AUG-1998;					
FEATURES	BIOGNOSTIK GES (DE)					
source	Location/Qualifiers					
	1..22					
	/organism="unidentified"					
	/mol_type="genomic DNA"					
	/db_xref="taxon:32644"					
BASE COUNT	1 a 4 c 16 g	1 t				
Query Match	1.0%; Score 16.2; DB 1; Length 22;					
Best Local Similarity	85.7%; Pred.No.2e+02;					
Matches	18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;					
QY	1368 GCGGGGCGGGCGGCAGAG 1388					
Db	2 GAGGGGCGGGCGGCAGGTG 22					
RESULT 65						
AR028417	AR028417	Sequence 32 from patent US 5858671.	22 bp	DNA	linear	PAT 29-SEP-1999
LOCUS						
DEFINITION						
ACCESSION	AR028417					
VERSION	AR028417.1	GI:5940390				
KEYWORDS						
SOURCE	Unknown.					
ORGANISM	Unknown.					
REFERENCE	1 (bases 1 to 22)					
AUTHORS	Jones,D.H.					

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RESULT 68
ARI130930/c
LOCUS ARI130930 22 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 35 from patent US 6190889.
ACCESSION ARI130930
VERSION ARI130930.1 GI:14119255
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 22)
AUTHORS Jones,D.H.
TITLE Methods for removing primer sequences and blocking restriction
endonuclease recognition domains
JOURNAL Patent: US 6190889-A 35 20-FEB-2001;
FEATURES
LOCATION/Qualifiers
source 1..22
BASE COUNT 4 a 6 c 10 g 2 t
Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1307 CTCCTGGCTGCACTGGCGCC 1327
Db 22 CTCCTGGCTGCACTGGCGCAC 2

RESULT 71
BD066182
LOCUS BD066182 22 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066182
VERSION BD066182.1 GI:22611785
KEYWORDS
SOURCE JP 2001511000-A/817.
ORGANISM unidentified
unclassified.
REFERENCE 1 (bases 1 to 22)
AUTHORS Schlingensiepen K.H. and Brysch W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 817 07-AUG-2001;
COMMENT BIOLOGISTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/817
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 21-JAN-1997 EP 97101531.8
PT KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
FEATURES
LOCATION/Qualifiers
source 1..22
Location/Qualifiers
1..22 /organism='Unknown'.
BASE COUNT 1 a 4 c 16 g 1 t
Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1368 GCGGGGCGCGCGCGCAGAG 1368
Db 2 GAGGGGCGCGCGCGCGGTG 22

RESULT 72
E41382
LOCUS E41382 23 bp DNA linear PAT 31-JAN-2002
DEFINITION Amino acid transporting protein and gene thereof.
ACCESSION E41382
VERSION E41382.1 GI:18627516
KEYWORDS JP 2000157286-A/14.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 23)
AUTHORS Endo,H. and Kanai,Y.
TITLE Amino acid transporting protein and gene thereof
JOURNAL Patent: JP 2000157286-A 14 13-JUN-2000;
COMMENT SCIENCE & TECH AGENCY
OS Artificial Sequence
PN JP 2000157286-A/14
PD 13-JUN-2000
PF 02-SEP-1999 JP 1999248546
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PR HITOSHI ENDO, YOSHIKATSU KANAI
PC C12N15/09, A01K67/027, A61K31/711, A61K39/395, A61K39/395, PC
A61K48/00, A61P35/00,
PC C07K14/705, C07K16/28, C12N5/10, C12Q1/02, C12Q1/68, G01N33/53, PC
G01N33/566,
PC G01N33/577//C12P21/08, (C12N15/09, C12R1:91), (C12N5/10, C12R1:91), PC
C12N15/00,
PC C12N5/00, (C12N15/00, C12R1:91), (C12N5/00, C12R1:91) CC
FH Key Location/Qualifiers
FT Primer_bind (1), (23).
Location/Qualifiers
1. .23
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
5 t
BASE COUNT 3 a 8 c 7 g
Query Match 1.0%; Score 16.2; DB 1; Length 23;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 941 CTGCTGCTCACGGCGCGAC 961
|||||
Db 3 CTGCTGCTCACGGCGGTGAC 23
|||||
RESULT 73
AR099499/c
LOCUS 20 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 26 from patent US 6077833.
ACCESSION AR099499
VERSION AR099499.1 GI:12809265
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett, C. Frank, and Vickers, T. A.
TITLE Oligonucleotide compositions and methods for the modulation of the expression of B7 protein
JOURNAL expression of B7 protein
Patent: US 6077833-A 26 20-JUN-2000;
FEATURES
1. .20
Location/Qualifiers
/organism="unknown"
BASE COUNT 5 a 8 c 4 g 3 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 898 GAAGGTCTTCTACGTGATC 916
|||||
Db 19 GAGGGTCTTCTACGTGAC 1
|||||
RESULT 74
AR178780/c
LOCUS 20 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 26 from patent US 6319906.
ACCESSION AR178780
VERSION AR178780.1 GI:20219918
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett, C. Frank, and Vickers, T. A.
TITLE Oligonucleotide compositions and methods for the modulation of the expression of B7 protein
JOURNAL expression of B7 protein
Patent: US 6319906-A 26 20-NOV-2001;
FEATURES
Location/Qualifiers

1. .20
/organism="unknown"
BASE COUNT 5 a 8 c 4 g 3 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 898 GAAGGTCTTCTACGTGATC 916
|||||
Db 19 GAGGGTCTTCTACGTGAC 1
|||||
RESULT 75
AR182885
LOCUS 20 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 57 from patent US 6339068.
ACCESSION AR182885
VERSION AR182885.1 GI:20226092
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Krieg, A. M., Davis, H. L., Wu, T. and Schorr, J.
TITLE Vectors and methods for immunization or therapeutic protocols
JOURNAL Patent: US 6339068-A 57 15-JAN-2002;
FEATURES
1. .20
Location/Qualifiers
/organism="unknown"
BASE COUNT 0 a 6 c 14 g 0 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1368 GCGGGGCGCGCGCGCAG 1386
|||||
Db 2 GCGGGGCGCGCGCGCGG 20
|||||
RESULT 76
AR221407/c
LOCUS 20 bp DNA linear PAT 26-SEP-2002
DEFINITION Sequence 46 from patent US 6426220.
ACCESSION AR221407
VERSION AR221407.1 GI:23328457
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett, C. F. and Cowsett, L. M.
TITLE Antisense modulation of calreticulin expression
JOURNAL Patent: US 6426220-A 46 30-JUL-2002;
FEATURES
1. .20
Location/Qualifiers
/organism="unknown"
BASE COUNT 2 a 8 c 4 g 6 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 525 CCGAGGCGCTGGGACGAAGA 543
|||||
Db 19 CCGAGGACTGGGATGAAGA 1
|||||
RESULT 77
AR271204/c
LOCUS 20 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 147 from patent US 6503152.

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ACCESSION AR271204
VERSION AR271204.1 GI:29702507
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Pelz,D.T.
TITLE Putting trainer
JOURNAL Patent: US 6503152-A 147 07-JAN-2003;
FEATURES
    source
    location/Qualifiers
BASE COUNT 4 a 7 c 5 g 4 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 522 TGACCGAGGCTGGGACGA 540
DB 19 TGACCGAGTCTGGGACCA 1

RESULT 78
AX104051
LOCUS AX104051 20 bp DNA linear PAT 30-APR-2001
DEFINITION Sequence 243 from Patent WO0122972.
ACCESSION AX104051
VERSION AX104051.1 GI:13920248
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Krieg,A.M., Schetter,C. and Vollmer,J.C.
TITLE Immunostimulatory nucleic acids
JOURNAL Patent: WO 0129972-A 243 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
GmbH (DE)
FEATURES
    source
    location/Qualifiers
BASE COUNT 0 a 6 c 14 g 0 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGCGAG 1386
DB 2 GCGGGGCGGCGGCGGCGGCG 20

RESULT 79
AX355382
LOCUS AX355382 20 bp DNA linear PAT 06-FEB-2002
DEFINITION Sequence 410 from Patent WO0197843.
ACCESSION AX355382
VERSION AX355382.1 GI:18620050
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Weiner,G. and Hartmann,G.
TITLE Methods for enhancing antibody-induced cell lysis and treating
JOURNAL Patent: WO 0197843-A 410 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
FEATURES
    source
    location/Qualifiers

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source
1. .20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="Synthetic oligonucleotide-phosphodiester backbone"
BASE COUNT 0 a 6 c 14 g 0 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGCGAG 1386
DB 2 GCGGGGCGGCGGCGGCGGCG 20

RESULT 80
AX547104
LOCUS AX547104 20 bp DNA linear PAT 26-NOV-2002
DEFINITION Sequence 243 from Patent WO02053141.
ACCESSION AX547104
VERSION AX547104.1 GI:25812248
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Bratzler,R.L.
TITLE Inhibition of angiogenesis by nucleic acids
JOURNAL Patent: WO 02053141-A 243 11-JUL-2002;
Coley Pharmaceutical Group, Inc. (US)
FEATURES
    source
    location/Qualifiers
BASE COUNT 0 a 6 c 14 g 0 t
Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGCGAG 1386
DB 2 GCGGGGCGGCGGCGGCGGCG 20

RESULT 81
BD069976
LOCUS BD069976 20 bp DNA linear PAT 27-AUG-2002
DEFINITION Use of nucleic acids containing unmethylated CPG dinucleotide in
the treatment of LPS-associated disorders.
ACCESSION BD069976
VERSION BD069976.1 GI:22615579
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Schwartz,D.A. and Krieg,A.M.
TITLE Use of nucleic acids containing unmethylated CPG dinucleotide in
the treatment of LPS-associated disorders
JOURNAL Patent: JP 2001513776-A 65 04-SEP-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION
COMMENT
    OS Artificial Sequence
    PN JP 2001513776-A/65
    PD 04-SEP-2001
    PF 25-FEB-1998 JP 1998537810
    PR 28-FEB-1997 US 60/039405
    PI DAVID A SCHWARTZ,ARTHUR M KRIEG
    PC A61K49/00,C07H21/02,C07H21/04,A01N43/04
    CC synthetic oligonucleotide

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FH Key      Location/Qualifiers
FT source   1..20 /organism='Artificial Sequence'.
FT
FEATURES
    source   Location/Qualifiers
            1..20 /organism='synthetic construct'
            /mol_type='genomic DNA'
            /db_xref='taxon:32630'
BASE COUNT      0 a 6 c 14 g 0 t

Query Match      1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGGGGGGGGGGGGGGG 1386
Db      |||||
        2 GCGGGGGGGGGGGGGGGGG 20

RESULT 82
LOCUS      AR109586                21 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 11 from patent US 6114129.
ACCESSION  AR109586
VERSION     AR109586.1 GI:12625862
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE   1 (bases 1 to 21)
AUTHORS    Agrawal, B. and Longenecker, B. Michael.
TITLE      Methods of detecting T-cell activation and treating disorders
           associated with T-cell dysfunction
JOURNAL    Patent: US 6114129-A 11-05-SEP-2000;
FEATURES    Location/Qualifiers
            1..21 /organism='unknown'
BASE COUNT      4 a 5 c 5 g 7 t

Query Match      1.0%; Score 15.8; DB 1; Length 21;
Best Local Similarity 89.5%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 731 AAATCGGAGGCTGCTTCC 749
Db      |||||
        3 ATATCGAGAGGCTGCTTCC 21

RESULT 83
LOCUS      AX094992/c                21 bp DNA linear PAT 30-MAR-2001
DEFINITION Sequence 170 from Patent WO0118250.
ACCESSION  AX094992
VERSION     AX094992.1 GI:13511195
KEYWORDS    .
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE   1
AUTHORS    Lander, E.S., Gargill, M., Ireland, J.S., Bolck, S., Daley, G.Q. and
            McCarthy, J.J.
TITLE      Single nucleotide polymorphisms in genes
JOURNAL    Patent: WO 0118250-A 170 15-MAR-2001;
            WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium
            Pharmaceuticals, Inc. (US)
FEATURES    Location/Qualifiers
            1..21 /organism='Homo sapiens'
            /mol_type='genomic DNA'
            /db_xref='taxon:9606'
BASE COUNT      4 a 7 c 7 g 2 t 1 others

Query Match      1.0%; Score 15.8; DB 1; Length 21;
Best Local Similarity 81.0%; Pred. No. 2.2e+02;
Matches 17; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1026 GCGCGCTTCGCGGGCGGCAC 1046
Db      |||||
        21 GCGCGCTTCGCGGGCGGCAC 1

RESULT 85
LOCUS      AX146231                21 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 422 from Patent WO0134840.
ACCESSION  AX146231
VERSION     AX146231.1 GI:14284749
KEYWORDS    .
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
REFERENCE   1
AUTHORS    Au, K.G., Chen, J.G., Patil, N. and Thomas, D.
TITLE      Genetic compositions and methods
JOURNAL    Patent: WO 0134840-A 422 17-MAY-2001;
            GLAXO GROUP LIMITED (GB) ; Affymetrix, Inc. (US)
FEATURES    Location/Qualifiers
            1..21 /organism='Homo sapiens'
            /mol_type='genomic DNA'
            /db_xref='taxon:9606'
BASE COUNT      0 a 9 c 11 g 0 t 1 others

variation
            1..21 /note='n' represents a polymorphic base"
BASE COUNT      0 a 9 c 11 g 0 t 1 others

Query Match      1.0%; Score 15.8; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1164 GCGAGGAGGCGGGGGCGCC 1183

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Db 1 GC GCGGGCGGCGGCGGCGC 20
|||||

RESULT 86

E08187/c

LOCUS

DEFINITION E08187 21 bp DNA linear PAT 29-SEP-1997
Primer for isolation of the promoter in rice starch-branching

enzyme.

E08187

ACCESSION

VERSION E08187.1 GI:2176308

KEYWORDS JP 1994261767-A/5.

SOURCE unidentified

ORGANISM unclassified

REFERENCE 1 (bases 1 to 21)

AUTHORS Baba, T. and Shimada, H.

TITLE NEW RICE PLANT STARCH-BRANCHED ENZYMIC GENE

JOURNAL PATENT: JP 1994261767-A 5 20-SEP-1994;

COMMENT MITSUI GYOUSAI SHOKUBUTSU BIO KENKUSHO:KK

OS None

OC Artificial sequences.

PN JP 1994261767-A/5

PD 20-SEP-1994

PF 22-OCT-1993 JP 1993265171

PR 29-OCT-1992 JP 92P 291719

PI BABA TADASHI, SHIMADA HIROAKI

PC C12N15/54;A01H5/00;C12N5/10;C12P19/16//A23L1/10;C12N9/10; CC

Strandedness: Single;

CC topology: Linear;

FH Key Location/Qualifiers

FH source 1..21

FT /organism='Artificial sequences'.

FT Location/Qualifiers

1..21

/organism='unidentified'

/mol_type='genomic DNA'

/db_xref='taxon:32644'

BASE COUNT 0 a 3 c 12 g 6 t

Query Match 1.0%; Score 15.8; DB 1; Length 21;

Best Local Similarity 89.5%; Pred. No. 2.2e+02;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 67 GAGGCGCACCGCACACC 85

Db 19 GCGGCGCACCCACACACC 1

|||||

RESULT 87

DOG2016P01

LOCUS

DEFINITION DOG2016P01 22 bp DNA linear

ACCESSION L78581

VERSION L78581.1 GI:1372870

KEYWORDS genetic marker; microsatellite; tetranucleotide repeat.

SOURCE Canis familiaris (dog)

ORGANISM Canis familiaris

REFERENCE Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;

AUTHORS Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.

TITLE 1 (bases 1 to 22)

JOURNAL Francisco, L.V., Langston, A.A., Mellersh, C.S., Neal, C.L. and

Ostrander, E.A.

MEDLINE A class of highly polymorphic tetranucleotide repeats for canine

PUBMED Genetic mapping

96269603

FEATURES Mamm. Genome 7 (5), 359-362 (1996)

8661717

Location/Qualifiers

1..22

/organism='Canis familiaris'

/mol_type='genomic DNA'

BASE COUNT 0 a 3 c 12 g 6 t

Query Match 1.0%; Score 15.4; DB 1; Length 17;

Best Local Similarity 94.1%; Pred. No. 2.4e+02;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

/db_xref='taxon:9615'
/clone='2016P'
complement(1..22)
/note='2016P'
/evidence=experimental

BASE COUNT 7 a 3 c 6 g

Query Match

Best Local Similarity 81.8%; Pred. No. 2.4e+02;

Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 403 CATATTTAAGGATGAAGAAAC 424

Db 1 CATTTTAAGGATGAGACAC 22

|||||

RESULT 88

A88670

LOCUS

DEFINITION A88670 17 bp DNA linear

ACCESSION Sequence 818 from Patent WO9833904.

VERSION A88670

KEYWORDS A88670.1 GI:6737240

SOURCE unidentified

ORGANISM unclassified

REFERENCE 1 (bases 1 to 17)

AUTHORS Brysch, W. and Schlingensiepen, K.

TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD

JOURNAL Patent: WO 9833904-A 818 06-AUG-1998;

BIODIVERSITY GENES (DE); BRYSCH WOLFGANG (DE)

FEATURES Location/Qualifiers

1..17

source

/organism='unidentified'

/mol_type='genomic DNA'

/db_xref='taxon:32644'

BASE COUNT 0 a 4 c 13 g 0 t

Query Match 1.0%; Score 15.4; DB 1; Length 17;

Best Local Similarity 94.1%; Pred. No. 2.4e+02;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1370 GGGGGCGGCGGCGGCGG 1386

Db 1 GGGGGCGGCGGCGGCGG 17

|||||

RESULT 89

A90637

LOCUS

DEFINITION A90637 17 bp DNA linear

ACCESSION Sequence 818 from Patent EP0856579.

VERSION A90637.1 GI:6739151

KEYWORDS unidentified

SOURCE unclassified

ORGANISM unclassified

REFERENCE 1 (bases 1 to 17)

AUTHORS Brysch, W.D. and Schlingensiepen, K.D.

TITLE An antisense oligonucleotide preparation method

JOURNAL Patent: EP 0856579-A 818 05-AUG-1998;

BIODIVERSITY GENES (DE)

FEATURES Location/Qualifiers

1..17

source

/organism='unidentified'

/mol_type='genomic DNA'

/db_xref='taxon:32644'

BASE COUNT 0 a 4 c 13 g 0 t

Query Match 1.0%; Score 15.4; DB 1; Length 17;

Best Local Similarity 94.1%; Pred. No. 2.4e+02;

Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1370 GGGGGGGGGGGGGGGG 1386
Db 1 GGGGGGGGGGGGGGGG 17

RESULT 90
BD066183 17 bp DNA linear PAT 27-AUG-2002
LOCUS An antisense oligonucleotide preparation method.
DEFINITION BD066183
ACCESSION BD066183
VERSION 1 GI:22611786
KEYWORDS JP 2001511000-A/818.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Schlingensiefen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 818 07-AUG-2001;
COMMENT BIOLOGISTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/818
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEFEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
FT Location/Qualifiers
FT source 1..17
FT /organism='Unknown'.

FEATURES
source
1..17 Location/Qualifiers
/organism='Unknown'.

BASE COUNT 0 a 4 c 13 g 0 t

Query Match 1.0%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GGGGGGGGGGGGGGGG 1386
Db 1 GGGGGGGGGGGGGGGG 17

RESULT 91
BD141639/c
LOCUS p53-Dependent novel apoptosis-associated protein and method of
DEFINITION BD141639
ACCESSION BD141639
VERSION 1 GI:23236584
KEYWORDS WO 0212496-A/17.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Nakamura,Y. and Arakawa,H.
TITLE p53-Dependent novel apoptosis-associated protein and method of
JOURNAL screening apoptosis controller
Patent: WO 0212496-A 17 14-FEB-2002;
JAPAN AS REPRESENTED BY THE PRESIDENT OF THE UNIVERSITY OF TOKYO,
CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY INCUBATION LTD, YUSUKE
NAKAMURA, HIROFUMI ARAKAWA
COMMENT OS Artificial Sequence
PN WO 0212496-A/17
PD 14-FEB-2002
PF 02-AUG-2001 WO 2001JP006666
PR 03-AUG-2000 JP 00P 240399
PI YUSUKE NAKAMURA,HIROFUMI ARAKAWA
PC C12N15/12,C07K14/47,C07K16/18,C12P21/02,C12Q1/68,G01N33/50, PC

G01N33/15,
PC A61K45/00,A61K48/00,A61K38/17,A61P43/00,A61P35/00 CC
Description of Artificial Sequence:Artificially Synthesized CC
Primer Sequence
FH Key Location/Qualifiers
FT source 1..17
FT /organism='Artificial Sequence'.

FEATURES
source
1..17 Location/Qualifiers
/organism='synthetic construct'
/mol_type='genomic DNA'
/db_xref='taxon:32630' 7 t

BASE COUNT 2 a 6 c 2 g 7 t

Query Match 1.0%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 706 GAAAGCAGAGAACTCGG 722
Db 17 GAAAGCAGAGAACTTGG 1

RESULT 92
A67594
LOCUS A67594 18 bp DNA linear PAT 05-MAY-1999
DEFINITION Sequence 14 from Patent WO9744485.
ACCESSION A67594
VERSION A67594.1 GI:4756457
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 18)
AUTHORS Goodfellow,P.N.
TITLE METHODS FOR IDENTIFYING A MUTATION IN A GENE OF INTEREST
JOURNAL Patent: WO 9744485-A 14 27-NOV-1997;
HEXAGEN TECHNOLOGY LIMITED (GB)

FEATURES
source
1..18 Location/Qualifiers
/organism='unidentified'
/mol_type='genomic DNA'
/db_xref='taxon:32644' 0 t

BASE COUNT 0 a 7 c 11 g 0 t

Query Match 1.0%; Score 15.4; DB 1; Length 18;
Best Local Similarity 94.1%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1368 GCGGGGGGGGGGGGGG 1384
Db 1 GCGGGGGGGGGGGGGG 17

RESULT 93
AR089732
LOCUS AR089732
DEFINITION Sequence 14 from patent US 5994075.
ACCESSION AR089732
VERSION AR089732.1 GI:10016487
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Goodfellow,P.N.
TITLE Methods for identifying a mutation in a gene of interest without a
JOURNAL phenotypic guide
Patent: US 5994075-A 14 30-NOV-1999;
COMMENT OS Artificial Sequence
PN WO 0212496-A/17
PD 14-FEB-2002
PF 02-AUG-2001 WO 2001JP006666
PR 03-AUG-2000 JP 00P 240399
PI YUSUKE NAKAMURA,HIROFUMI ARAKAWA
PC C12N15/12,C07K14/47,C07K16/18,C12P21/02,C12Q1/68,G01N33/50, PC

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Query Match 1.0%; Score 15.4; DB 1; Length 18;
 Best Local Similarity 94.1%; Pred. No. 2.5e+02;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1368 GCGGGCGCGCGCGCGC 1384
 |||||
 Db 1 GCGGGCGCGCGCGCGC 17

RESULT 94
 LOCUS AR315298/c 20 bp DNA PAT 12-JUN-2003
 DEFINITION Sequence 5835 from patent US 6559294.
 ACCESSION AR315298
 VERSION AR315298.1 GI:31708724
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Griffais, R., Hoise, S.K., Zagursky, R.J., Metcalf, B.J., Peek, J.A., Sankaran, B. and Fletcher, L.D.
 TITLE Chlamydia pneumoniae polynucleotides and uses thereof
 JOURNAL Patent: US 6559294-A 5835 06-MAY-2003;
 FEATURES Location/Qualifiers
 source 1..20
 BASE COUNT 6 a 4 c 7 g 3 t

Query Match 1.0%; Score 15.4; DB 1; Length 20;
 Best Local Similarity 94.1%; Pred. No. 2.5e+02;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 190 CTCCTCGCTGCTGTAT 206
 |||||
 Db 18 CTCCTCGCTGCTGTAT 2

RESULT 95
 LOCUS BD139686 22 bp DNA PAT 18-SEP-2002
 DEFINITION Novel guaA.
 ACCESSION BD139686
 VERSION BD139686.1 GI:23234631
 KEYWORDS JP 2002504309-A/3.
 SOURCE Streptococcus pneumoniae
 ORGANISM Streptococcus pneumoniae
 Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
 Streptococcus.
 REFERENCE 1 (bases 1 to 22)
 AUTHORS Zalacain, M., Brown, J.R., Biswas, S., Warren, R.L. and Shilling, L.K.
 TITLE Novel guaA
 JOURNAL SMITHKLINE BEECHAM CORP
 COMMENT Patent: JP 2002504309-A 3 12-FEB-2002;
 OS Streptococcus pneumoniae
 PN JP 2002504309-A/3
 PD 12-FEB-2002
 PF 20-NOV-1998 JP 2000522247
 PR 21-NOV-1997 US 60/066350
 PI MAGDALENA ZALACAIN, JAMES R BROWN, SANJOY BISWAS, RICHARD L PI WARREN,
 PI LISA K SHILLING
 PC C12N15/09, A61K38/00, A61P31/04, A61P37/02, C07K14/315, C07K16/12, C12N1/15,
 PC C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12Q1/68, G01N33/15, G01N33/PC 50,
 PC G01N33/53, G01N33/68/C12P21/08, C12N15/09, C12R1/46, C12N15/00, PC A61K37/02,
 PC C12N5/00, C12N15/00, C12R1/46)
 CC Novel guaA
 FH Key Location/Qualifiers

FT source 1..22
 FT /organism='Streptococcus pneumoniae'.
 FEATURES Location/Qualifiers
 source 1..22
 /organism='Streptococcus pneumoniae'
 /mol_type='genomic DNA'
 /db_xref='taxon:1313'
 BASE COUNT 7 a 6 c 5 g 4 t

Query Match 1.0%; Score 15.4; DB 1; Length 22;
 Best Local Similarity 94.1%; Pred. No. 2.6e+02;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1520 ATGCGGTCAAGTCCAG 1536
 |||||
 Db 6 ATGCGGTCAAGTCCAG 22

RESULT 96
 LOCUS AR137400 20 bp DNA PAT 16-JUN-2001
 DEFINITION Sequence 15 from patent US 6197507.
 ACCESSION AR137400
 VERSION AR137400.1 GI:14478909
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Berg, T., Tollersrud, O., Kristien, and Nilssen, O.
 TITLE Genetic test for alpha-mannosidosis
 JOURNAL Patent: US 6197507-A 15 06-MAR-2001;
 FEATURES Location/Qualifiers
 source 1..20
 BASE COUNT 2 a 5 c 11 g 2 t

Query Match 1.0%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 2.7e+02;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGCGCGCGCGCGAGA 1387
 |||||
 Db 1 GTGGCGCGCGCGCGTGCAGA 20

RESULT 97
 LOCUS AR174482/c 20 bp DNA PAT 17-DEC-2001
 DEFINITION Sequence 6 from patent US 6306831.
 ACCESSION AR174482
 VERSION AR174482.1 GI:17914802
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 20)
 AUTHORS Roberts, P.C. and Driver, S.B.
 TITLE Transplacental delivery of oligonucleotides
 JOURNAL Patent: US 6306831-A 6 23-OCT-2001;
 FEATURES Location/Qualifiers
 source 1..20
 BASE COUNT 0 a 11 c 4 g 5 t

Query Match 1.0%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 2.7e+02;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 34 CGAGCGGAGCGAGGAGG 53
 |||||
 Db 20 CGAGCGGAGGAGGAGG 1

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RESULT 98
AR212475/c
LOCUS AR212475 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 7 from patent US 6399763.
ACCESSION AR212475
VERSION AR212475.1 GI:21516059
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 20)
AUTHORS Frenken,L. and van der Logt,C.P.E.
TITLE Method for producing antibody fragments
JOURNAL Patent: US 6399763-A 7 04-JUN-2002;
FEATURES
Location/Qualifiers
1..20
/organism="unknown"
BASE COUNT 2 a 7 c 3 t 1 others
Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 769 CCTGGAGCGCGCGGACCA 788
Db 20 CCTGGAGCGCGCGGACCA 1

RESULT 99
AR217890
LOCUS AR217890 20 bp DNA linear PAT 25-SEP-2002
DEFINITION Sequence 8 from patent US 6417169.
ACCESSION AR217890
VERSION AR217890.1 GI:23318015
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 20)
AUTHORS Wright,J.A., Young,A.H. and Lee,Y.S.
TITLE Insulin-like growth factor II antisense oligonucleotide sequences
and methods of using same to inhibit cell growth
JOURNAL Patent: US 6417169-A 8 09-JUL-2002;
FEATURES
Location/Qualifiers
1..20
/organism="unknown"
BASE COUNT 3 a 4 c 12 g 1 t
Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1540 AGCCGCGGGCGCGGGGAG 1559
Db 1 ACCTGAGGCGCGCGGGGAG 20

RESULT 100
AX027702/c
LOCUS AX027702 20 bp DNA linear PAT 16-SEP-2000
DEFINITION Sequence 7 from Patent WO0043507.
ACCESSION AX027702
VERSION AX027702.1 GI:10188569
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1
AUTHORS Frenken,L.G. and Van Der Logt,C.P.E.
TITLE Method for producing antibody fragments
JOURNAL Patent: WO 0043507-A 7 27-JUL-2000;
UNILEVER PLC (GB) ; LEVER HINDUSTAN LTD (IN) ; UNILEVER NV (NL)

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FEATURES
source
Location/Qualifiers
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="PRIMER"
7 c 3 t 1 others
BASE COUNT 2 a 7 c 3 t 1 others
Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 769 CCTGGAGCGCGCGGACCA 788
Db 20 CCTGGAGCGCGCGGACCA 1

RESULT 101
AR001196
LOCUS AR001196 21 bp DNA linear PAT 04-DEC-1998
DEFINITION Sequence 9 from patent US 5738993.
ACCESSION AR001196
VERSION AR001196.1 GI:3963263
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 21)
AUTHORS Fugono,N., Kurusu,Y., Terasawa,M. and Yukawa,H.
TITLE Oligonucleotide and method for analyzing base sequence of nucleic acid
JOURNAL Patent: US 5738993-A 9 14-APR-1998;
FEATURES
Location/Qualifiers
1..21
/organism="unknown"
BASE COUNT 11 a 0 c 10 g 0 t
Query Match 1.0%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 50 AGGAAAGCGGAGAGAG 69
Db 1 AGGAAAGCGGAGAGAG 20

RESULT 102
AX154080
LOCUS AX154080 21 bp DNA linear PAT 22-JUN-2001
DEFINITION Sequence 178 from Patent WO0138576.
ACCESSION AX154080
VERSION AX154080.1 GI:14535694
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1
AUTHORS Cargill,M., Ireland,J.S. and Lander,E.S.
TITLE Human single nucleotide polymorphisms
JOURNAL Patent: WO 0138576-A 178 31-MAY-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
FEATURES
Location/Qualifiers
1..21
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 11 c 4 g 0 t 1 others
Query Match 1.0%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy 979 GCACACGACTCGGCCACG 998
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Db 1 GCACACACACGCGGCCACG 20

RESULT 103
E11034
LOCUS E11034 21 bp DNA linear PAT 29-SEP-1997
DEFINITION Oligonucleotide as a probe for sequencing by hybridization.
ACCESSION E11034
VERSION E11034.1 GI:22024675
KEYWORDS JP 1996070900-A/9.
SOURCE unclassified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 21)
AUTHORS Fugono,N., Kurusu,Y., Terasawa,M. and Yugawa,H.
TITLE ANALYSIS OF BASE SEQUENCE OF OLIGONUCLEOTIDE AND NUCLEIC ACID
JOURNAL Patent: JP 1996070900-A 9 19-MAR-1996;
COMMENT MITSUBISHI CHEM CORP
OS None
OC Artificial sequences.
PN JP 1996070900-A/9
PD 19-MAR-1996
PF 13-FEB-1995 JP 1995024410
PR 22-FEB-1994 JP 94P 24168, 29-JUN-1994 JP 94P 147291 PI
FUGONO NOBUTAKE, KURUSU YASUROU, TERASAWA MASATO, PI YUGAWA
HIDEAKI
PC C1201/68, C12N15/09;
CC strandedness: Single;
CC topology: Linear;
FH Key Location/Qualifiers
FT source 1..21
FT /organism='Artificial sequences'.
FEATURES
source 1..21
    /organism='unidentified'
    /mol_type='genomic DNA'
    /db_xref='taxon:32644'
BASE COUNT 11 a 0 c 10 g 0 t
Query Match 1.0%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 50 AGGAAAGCGCAAGAGAGAG 69
    |||||
Db 1 AGGAAAGCGCAAGAGAGAG 20

RESULT 104
I07164/c
LOCUS I07164 16 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 10 from Patent EP 0331356.
ACCESSION I07164
VERSION I07164.1 GI:590048
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 16)
AUTHORS Gorman,J., Clark,P.E., Fornwald,J.A., Brawner,M.E., Deen,K.C.,
    Gorman,J.A., Sathe,G.M., Sweet,R.W. and Taylor,D.P.
TITLE Expression of HIV binding proteins
JOURNAL Patent: EP 0331356-A2 10 06-SEP-1989;
FEATURES
source 1..16
    Location/Qualifiers
    /organism='unknown'
BASE COUNT 0 a 10 c 6 g 0 t
Query Match 1.0%; Score 15; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 979 GCACACGACTCGGCCACG 998
    |||||
Db 1 GCACACACACGCGGCCACG 20

RESULT 105
SSAJ793/c
LOCUS SSAJ793 19 bp mRNA linear MAM 29-JUL-1997
DEFINITION Sus scrofa EST 3'UTR SLC3A1 forward primer.
ACCESSION AJ000793
VERSION AJ000793.1 GI:2286016
KEYWORDS PCR primer.
SOURCE Sus scrofa (pig)
ORGANISM Sus scrofa
REFERENCE 1 (bases 1 to 19)
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
    Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
    Fridolfsson,A.K., Hori,T., Wintero,A.K., Fredholm,M., Yerle,M.,
    Robic,A., Andersson,L. and Ellegren,H.
    Expansion of the pig comparative map by expressed sequence tags
    (EST) mapping
    Unpublished
    2 (bases 1 to 19)
    Fridolfsson,A.K.
    Direct Submission
    Submitted (27-JUL-1997) Fridolfsson A.K., Animal Breeding and
    Genetics, Swedish University of Agricultural Sciences, Biomedical
    Center, Box 597, S-751 24 Uppsala, SWEDEN
FEATURES
source 1..19
    Location/Qualifiers
    /organism='Sus scrofa'
    /mol_type='mRNA'
    /db_xref='taxon:9823'
    /chromosome='3'
    /map='q21-q23'
BASE COUNT 5 a 7 c 5 g 2 t
Query Match 1.0%; Score 15; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150 AGATGCTGCTGCTGG 164
    |||||
Db 16 AGATGCTGCTGCTGG 2

RESULT 106
A51144
LOCUS A51144 21 bp DNA linear PAT 10-MAR-1997
DEFINITION Sequence 13 from Patent WO9616175.
ACCESSION A51144
VERSION A51144.1 GI:2303915
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 21)
AUTHORS Beckmann,J. and Richard,I.
TITLE LGMD gene
JOURNAL Patent: WO 9616175-A 13 30-MAY-1996;
    ASS FRANCAISE CONTRE LES MYOPAS (FR)
FEATURES
source 1..21
    Location/Qualifiers
    /organism='unidentified'
    /mol_type='genomic DNA'
    /db_xref='taxon:32644'
BASE COUNT 1 a 7 c 3 g 10 t
Query Match 1.0%; Score 15; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 109					
AR085574/c					
LOCUS	AR085574	18 bp	DNA	linear	PAT 01-SEP-2000
DEFINITION	Sequence 10 from patent US 5981732.				
ACCESSION	AR085574				

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1341 GCGGGGGGACGGGGG 1358
Db 1 GCGGGGGGACGGGGG 18

RESULT 112
LOCUS ARI171053 18 bp DNA linear PAT 17-DEC-2001
DEFINITION Sequence 34 from patent US 6297013.
ACCESSION ARI171053
VERSION ARI171053.1 GI:17910003
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Morgan, A.R. and Severini, A.
TITLE Compositions and methods for determining the activity of
DNA-binding proteins and of initiation of transcription
JOURNAL Patent: US 6297013-A 34 02-OCT-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 1 a 4 c 13 g 0 t

Query Match 0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1359 GCGGGGACGGGGGGG 1376
Db 1 GCGGGGACGGGGGGG 18

RESULT 113
LOCUS AX063650 18 bp DNA linear PAT 24-JAN-2001
DEFINITION Sequence 34 from Patent WO0100817.
ACCESSION AX063650
VERSION AX063650.1 GI:12541374
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Morgan, A.R. and Severini, A.
TITLE Compositions and methods for determining the activity of
dna-binding proteins and of initiation of transcription
JOURNAL Patent: WO 0100817-A 34 04-JAN-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 1 a 4 c 13 g 0 t

Query Match 0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1359 GCGGGGACGGGGGGG 1376
Db 1 GCGGGGACGGGGGGG 18

RESULT 114
LOCUS AX115187 18 bp DNA linear PAT 11-MAY-2001
DEFINITION Sequence 310 from Patent WO0129262.

ACCESSION AX115187
VERSION AX115187.1 GI:14032129
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Picoult-Newburg, L. and Pohl, M.
TITLE Genotyping reagents, kits and methods of use thereof
JOURNAL Patent: WO 0129262-A 310 26-APR-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 0 a 2 c 9 g 7 t

Query Match 0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 69 GCGCACGCGCACACCC 86
Db 18 GCGCACGCGCACACAC 1

RESULT 115
LOCUS BD178357 18 bp DNA linear PAT 16-APR-2003
DEFINITION Method of screening drug for preventing/treating proliferative
glomerular nephritis.
ACCESSION BD178357
VERSION BD178357.1 GI:30015622
KEYWORDS WO 02077642-A/15.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 18)
AUTHORS Takagaki, K., Katsuma, S. and Teujimoto, G.
TITLE Method of screening drug for preventing/treating proliferative
glomerular nephritis
JOURNAL Patent: WO 02077642-A 15 03-OCT-2002;
COMMENT NIPPON SHINYAKU CO LTD, THE JAPAN HEALTH SCIENCES FOUNDATION,
KAZUCHIKA TAKAGAKI, SUSUMU KATSUMA, GOZO TSUJIMOTO
OS Artificial Sequence
PN WO 02077642-A/15
PD 03-OCT-2002
PF 25-MAR-2002 WO 2002JP002828
PR 26-MAR-2001 JP 01P 088018, 06-SEP-2001 JP 01P 270551 P1
KAZUCHIKA TAKAGAKI, SUSUMU KATSUMA, GOZO TSUJIMOTO PC
G01N33/50 G01N33/15 G01N33/566 A61P13/12 A61K45/00 CC Description
of Artificial Sequence: Reverse primer for PCR FH Key
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 2 a 5 c 7 g 4 t

Query Match 0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1403 CCAGGTGCTGCGGAGCT 1420
Db 1 CTAGGTGCTGCGGAGCT 18

Db 20 GGCGGCGCGGAGAGCC 3

RESULT 121
AX250649/c
LOCUS
DEFINITION Sequence 45 from Patent WO0168921.
ACCESSION AX250649
VERSION AX250649.1 GI:15984393
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
ARTIFICIAL SEQUENCES.

REFERENCE 1
AUTHORS Koshinsky, H., Zwick, M.S. and Mccue, K.F.
TITLE Compositions and methods for simultaneous detection of multiple biological entities

JOURNAL Patent: WO 0168921-A 45 20-SEP-2001;
Investigen (US)

FEATURES
source Location/Qualifiers
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="PCR Primer"

BASE COUNT 5 a 5 c 7 g 3 t
Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 3.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 119 GACAGCTCGGAGTCATC 136
|||||
Db 20 GACCGCTCGGAGTCTTC 3

RESULT 122
AX250651/c
LOCUS
DEFINITION Sequence 47 from Patent WO0168921.
ACCESSION AX250651
VERSION AX250651.1 GI:15984395
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
ARTIFICIAL SEQUENCES.

REFERENCE 1
AUTHORS Koshinsky, H., Zwick, M.S. and Mccue, K.F.
TITLE Compositions and methods for simultaneous detection of multiple biological entities

JOURNAL Patent: WO 0168921-A 47 20-SEP-2001;
Investigen (US)

FEATURES
source Location/Qualifiers
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="PCR Primer"

BASE COUNT 5 a 5 c 7 g 3 t
Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 3.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 119 GACAGCTCGGAGTCATC 136
|||||
Db 20 GACCGCTCGGAGTCTTC 3

RESULT 123
BD001973
LOCUS
DEFINITION Process for the preparation and improvement of pantothenic acid-producing microorganisms, plasmid vector, E. coli K12 strain, microorganism, C. glutamicum and process for the preparation of pantothenic acid.

ACCESSION BD001973
VERSION BD001973.1 GI:18628713
KEYWORDS JP 2000116387-A/4.
SOURCE synthetic construct
ORGANISM synthetic construct
ARTIFICIAL SEQUENCES.

REFERENCE 1 (bases 1 to 20)
AUTHORS Erishevski, F., Kalinowski, J., Puehler, A., Dushu, N., Doomen, J., Fawick, M. and Thiabach, G.
TITLE Process for the preparation and improvement of pantothenic acid-producing microorganisms, plasmid vector, E. coli K12 strain, microorganism, C. glutamicum and process for the preparation of pantothenic acid.

JOURNAL Patent: JP 2000116387-A 4 25-APR-2000;
DEGUSSA HUELS AG

COMMENT OS Artificial Sequence
PN JP 2000116387-A/4
PD 25-APR-2000
PF 06-OCT-1999 JP 1999285925
PI FRANK ERISHEVSKI, JOERN KALINOWSKI, ALFRED PUEHLER, NICOLE DUSCHU,
PI JURGEN DOOMEN, MAIK FAWICK, GEORG THIABACH
PC C12N15/09, C12N1/21, C12N9/00, C12N9/04, C12N9/88, C12P13/02, PC
(C12N1/21, C12R1/15), (C12N1/21, C12R1/19), (C12P13/02, C12R1/19), PC
(C12P13/02, C12R1/15), (C12P13/02, C12R1/645), C12N15/00 CC

PH Key Location/Qualifiers
1..20
FT source /organism="Artificial Sequence".

FEATURES
source Location/Qualifiers
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

BASE COUNT 4 a 7 c 3 g 6 t
Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 3.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 561 AGTCTCTGCACCTACGAGG 578
|||||
Db 3 AGTCTCTGCACCTACGAGG 20

RESULT 124
BD178509/c
LOCUS
DEFINITION Method of detecting nucleic acid relating to disease.
ACCESSION BD178509
VERSION BD178509.1 GI:30015775
KEYWORDS WO 02077281-A/15.
SOURCE unidentified
ORGANISM unclassified.

REFERENCE 1 (bases 1 to 20)
AUTHORS Hashimoto, K., Hashimoto, M., Mishihiro, S. and Ota, Y.
TITLE Method of detecting nucleic acid relating to disease

JOURNAL Patent: WO 02077281-A 15 03-OCT-2002;
TOSHIBA CORP, KOJI HASHIMOTO, MICHIE HASHIMOTO, SHUNJI MISHIRO, YASUHIKO OTA

COMMENT OS Hepatitis virus (hepatitis C virus)
PN WO 02077281-A/15
PD 03-OCT-2002
PF 05-MAR-2002 WO 2002JP002030
PI 27-MAR-2001 JP 01P 090053.18-SEP-2001 JP 01P 284112 PI
KOJI HASHIMOTO, MICHIE HASHIMOTO, SHUNJI MISHIRO, YASUHIKO OTA PC
C12Q1/68, C12N15/09, C12M1/00, G01N33/53, G01N33/543, G01N33/566, PC
G01N33/576,
PC G01N37/00
CC Method of detecting nucleic acid relating to disease FH Key

SOURCE	Unknown.
ORGANISM	Unclassified.
REFERENCE	1 (bases 1 to 20)
AUTHORS	Okamoto,H. and Nakamura,T.
TITLE	Oligonucleotides and determination system of HCV genotypes
JOURNAL	Patent: US 5427909-A 19 27-JUN-1995,
FEATURES	Location/Qualifiers 1..20 /organism="unknown"
BASE COUNT	5 a 5 c 7 g 3 t
Query Match	0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity	88.9%; Pred. No. 3.1e+02;
Matches	16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy	119 GACAGCTCGGAAGTCATC 136 Db 20 GACCGCTCGGAAGTCTTC 3
RESULT 127	
LOCUS	A56957 21 bp DNA linear PAT 03-MAR-1998
DEFINITION	Sequence 15 from Patent WO9629091.
ACCESSION	A56957
VERSION	A56957.1 GI:3712940
KEYWORDS	unidentified
SOURCE	unidentified
ORGANISM	unclassified.
REFERENCE	1 Stanley,M.A. and Scarpini,C.G. TITLE TREATMENT OF PAPILLOMAVIRUS-ASSOCIATED LESIONS USING INTERLEUKIN-12 JOURNAL PATENT: WO 9629091-A 15 26-SEP-1996; UNIV CAMBRIDGE TECH (GB) COMMENT Other publication AU 5151596 961008. FEATURES Location/Qualifiers 1..21 /organism="unidentified" /mol_type="genomic DNA" /db_xref="taxon:32644"
BASE COUNT	4 a 6 c 6 g 5 t
Query Match	0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity	88.9%; Pred. No. 3.2e+02;
Matches	16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy	118 GGACAGCTCGGAAGTCAT 135 Db 18 GGCCAGCTTGGAAGTCA 1
RESULT 128	
LOCUS	AR052917 21 bp DNA linear PAT 29-SEP-1999
DEFINITION	Sequence 41 from patent US 5833976.
ACCESSION	AR052917
VERSION	AR052917.1 GI:5977779
KEYWORDS	Unknown.
SOURCE	Unknown.
ORGANISM	Unclassified.
REFERENCE	1 (bases 1 to 21) AUTHORS Malefyt,Rde,Waal., Howard,M., Hsu,D.-H., Ishida,H., O'Garra,A., Spits,H. and Zlotnik,A. TITLE Use of interleukin-10 (IL-10) to treat endotoxin- or superantigen-induced toxicity JOURNAL Patent: US 5833976-A 41 10-NOV-1998; FEATURES Location/Qualifiers 1..21 /organism="unknown"
BASE COUNT	4 a 6 c 6 g 5 t

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Query Match      0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 3.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
Db 18 GGCCAGCTTGGAGTCAT 1

RESULT 129
AR054280/c
LOCUS AR054280 21 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 41 from patent US 5837232.
ACCESSION AR054280
VERSION AR054280.1 GI:5979857
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 21)
AUTHORS De Waal Malefyt, R., Howard, M., Hsu, D.-H., Ishida, H., O'Garra, A., Spits, H., and Zlotnik, A.
TITLE Use of an interleukin-10 antagonist to treat a B cell mediated autoimmune disorder.
JOURNAL Patent: US 5837232-A 41 17-NOV-1998;
FEATURES
source Location/Qualifiers
1..21 /organism="unknown"
BASE COUNT 4 a 6 c 6 g 5 t

Query Match      0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 3.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
Db 18 GGCCAGCTTGGAGTCAT 1

RESULT 130
AR054482/c
LOCUS AR054482 21 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 41 from patent US 5837293.
ACCESSION AR054482
VERSION AR054482.1 GI:5980059
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 21)
AUTHORS De Waal Malefyt, R., Howard, M., Hsu, D.-H., Ishida, H., O'Garra, A., Spits, H., and Zlotnik, A.
TITLE Use of interleukin-10 analogs for antagonists to treat endotoxin- or superantigen-induced toxicity
JOURNAL Patent: US 5837293-A 41 17-NOV-1998;
FEATURES
source Location/Qualifiers
1..21 /organism="unknown"
BASE COUNT 4 a 6 c 6 g 5 t

Query Match      0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 3.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
Db 18 GGCCAGCTTGGAGTCAT 1

RESULT 131
AR148289
LOCUS AR148289 21 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 20 from patent US 6225082.
ACCESSION AR148289
VERSION AR148289.1 GI:15112379
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 21)
AUTHORS Carson, J., Kwon, S., Ainger, K., and Avossa, D.
TITLE Myelin basic protein mRNA transport and translation enhancer sequences
JOURNAL Patent: US 6225082-A 20 01-MAY-2001;
FEATURES
source Location/Qualifiers
1..21 /organism="unknown"
BASE COUNT 5 a 7 c 9 g 0 t

Query Match      0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 3.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 9 GCCAGCGAGGAGAGAGC 26
Db 1 GCCAGCGAGGAGAGAGC 18

RESULT 132
AX133267
LOCUS AX133267 21 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 4485 from Patent WO0130362.
ACCESSION AX133267
VERSION AX133267.1 GI:14139577
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Robbins, J.M. and Tritz, R.
TITLE Ribozyme therapy for the treatment of proliferative skin and eye diseases
JOURNAL Patent: WO 0130362-A 4485 03-MAY-2001;
FEATURES
source Location/Qualifiers
1..21 /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/note="PDGF A ribozyme recognition site"
BASE COUNT 1 a 11 c 7 g 2 t

Query Match      0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 3.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1055 CGGCGCTGTTCGCCAGC 1072
Db 1 CGGCGCGCTTCGCCAGC 18

RESULT 133
A31925/c
LOCUS A31925 17 bp DNA linear PAT 04-DEC-1995
DEFINITION Synthetic BamHI-PvuII insert sequence.
ACCESSION A31925
VERSION A31925.1 GI:1249466
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 17)
AUTHORS
JOURNAL Patent: BE 901119-A 3 15-MAR-1985;

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FEATURES
  source
    Location/Qualifiers
      1..17
        /organism="synthetic construct"
        /mol_type="genomic DNA"
        /db_xref="taxon:32630"
      2 a 7 c 6 g 2 t
BASE COUNT      2 a 7 c 6 g 2 t
  Query Match      0.9%; Score 14.4; DB 1; Length 17;
  Best Local Similarity 93.8%; Pred. No. 3.4e+02;
  Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1432 GGCACCGCGGGGATC 1447
Db 16 GGCACCGCGGGGATC 1

RESULT 134
AR053075/c
LOCUS      17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 45 from patent US 5834181.
ACCESSION AR053075
VERSION AR053075.1 GI:5977937
KEYWORDS
SOURCE
ORGANISM
REFERENCE
  AUTHORS
  TITLE
  JOURNAL
  FEATURES
    source
      Location/Qualifiers
        1..17
          /organism="unknown"
        3 a 6 c 6 g 2 t
BASE COUNT      3 a 6 c 6 g 2 t
  Query Match      0.9%; Score 14.4; DB 1; Length 17;
  Best Local Similarity 93.8%; Pred. No. 3.4e+02;
  Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1514 CTGGGCATGGCGGTCA 1529
Db 17 CTGGGCATGGCGGTCA 2

RESULT 135
AR065036/c
LOCUS      17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 45 from patent US 5849483.
ACCESSION AR065036
VERSION AR065036.1 GI:5995252
KEYWORDS
SOURCE
ORGANISM
REFERENCE
  AUTHORS
  TITLE
  JOURNAL
  FEATURES
    source
      Location/Qualifiers
        1..17
          /organism="unknown"
        3 a 6 c 6 g 2 t
BASE COUNT      3 a 6 c 6 g 2 t
  Query Match      0.9%; Score 14.4; DB 1; Length 17;
  Best Local Similarity 93.8%; Pred. No. 3.4e+02;
  Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1514 CTGGGCATGGCGGTCA 1529
Db 17 CTGGGCATGGCGGTCA 2

RESULT 136
AX423136
LOCUS      17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 1472 from Patent WO0188124.
ACCESSION AX423136
VERSION AX423136.1 GI:21526518
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
  Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
  1 Jarvis, T., von Carlwiltz, I., Mewissen, J.A., McLaughlin, F.G. and
  Rand, A.M.
  Method and reagent for the inhibition of erg
  Patent: WO 0188124-A 1472 22-NOV-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
  Location/Qualifiers
    1..17
      /organism="Homo sapiens"
      /mol_type="mRNA"
      /db_xref="taxon:9606"
    2 a 7 c 4 t
BASE COUNT      2 a 7 c 4 t
  Query Match      0.9%; Score 14.4; DB 1; Length 17;
  Best Local Similarity 93.8%; Pred. No. 3.4e+02;
  Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 967 CTTTGTGGCGCGGCAC 982
Db 2 CTTTGTGGCGCGGCAC 17

RESULT 137
I32581/c
LOCUS      17 bp DNA linear PAT 06-FEB-1997
DEFINITION Sequence 45 from patent US 5589330.
ACCESSION I32581
VERSION I32581.1 GI:1823372
KEYWORDS
SOURCE
ORGANISM
REFERENCE
  1 (bases 1 to 17)
  Unclassified.
  Shuber, A.P.
  TITLE
  High-throughput screening method for sequence or genetic
  alterations in nucleic acids using elution and sequencing of
  complementary oligonucleotides
  Patent: US 5589330-A 45 31-DEC-1996;
  Location/Qualifiers
    1..17
      /organism="unknown"
    3 a 6 c 6 g 2 t
BASE COUNT      3 a 6 c 6 g 2 t
  Query Match      0.9%; Score 14.4; DB 1; Length 17;
  Best Local Similarity 93.8%; Pred. No. 3.4e+02;
  Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1514 CTGGGCATGGCGGTCA 1529
Db 17 CTGGGCATGGCGGTCA 2

RESULT 138
AR181637/c
LOCUS      18 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 99 from patent US 6335194.
ACCESSION AR181637
VERSION AR181637.1 GI:20223851
KEYWORDS
SOURCE
ORGANISM

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Unclassified.					
REFERENCE	1 (bases 1 to 18)				
AUTHORS	Bennett,C.Frank., Ackermann,E.J., Swayze,E.E. and Cowsett,L.M.				
TITLE	Antisense modulation of survivin expression				
JOURNAL	Patent: US 635194-A 99 01-JAN-2002;				
FEATURES	Location/Qualifiers				
source	1..18				
BASE COUNT	2 a 11 c 4 g 1 t				
Query Match	0.9%; Score 14.4; DB 1; Length 18;				
Best Local Similarity	93.8%; Pred. No. 3.5e+02;				
Matches	15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	1370 GCGGGGCGGCGGCA 1385				
Db	18 GTGCGCGGCGGCGCA 3				
RESULT 139					
LOCUS	AR196700/c				
DEFINITION	Sequence 1165 from patent US 6350934.				
ACCESSION	AR196700				
VERSION	AR196700.1 GI:20246137				
KEYWORDS	Unknown.				
SOURCE	Unknown.				
ORGANISM	Unclassified.				
REFERENCE	1 (bases 1 to 18)				
AUTHORS	Zwick,M.G., Edington,B.E., McSwiggan,J.A., Merlo,P.Ann.Owens., Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.				
TITLE	Nucleic acid encoding delta-9 desaturase				
JOURNAL	Patent: US 6350934-A 1165 26-FEB-2002;				
FEATURES	Location/Qualifiers				
source	1..18				
BASE COUNT	0 a 12 c 6 g 0 t				
Query Match	0.9%; Score 14.4; DB 1; Length 18;				
Best Local Similarity	93.8%; Pred. No. 3.5e+02;				
Matches	15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	1368 GCGGGGCGGCGGCGG 1383				
Db	18 GCGGCGGCGGCGGCGG 3				
RESULT 140					
LOCUS	AR295385				
DEFINITION	Sequence 7120 from patent US 6537751.				
ACCESSION	AR295385				
VERSION	AR295385.1 GI:31682669				
KEYWORDS	Unknown.				
SOURCE	Unknown.				
ORGANISM	Unclassified.				
REFERENCE	1 (bases 1 to 19)				
AUTHORS	Cohen,D., Chumakov,I. and Blumenfeld,M.				
TITLE	Allelic markers for use in constructing a high density disequilibrium map of the human genome				
JOURNAL	Patent: US 6537751-A 7120 25-MAR-2003;				
FEATURES	Location/Qualifiers				
source	1..19				
BASE COUNT	6 a 2 c 8 g 3 t				
Query Match	0.9%; Score 14.4; DB 1; Length 19;				
Best Local Similarity	93.8%; Pred. No. 3.5e+02;				
Matches	15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	445 GACTCAGGTTGAAG 460				
Db	4 GACCAGAGGTGAAG 19				
RESULT 141					
LOCUS	AXI29738				
DEFINITION	Sequence 956 from Patent WO0130362.				
ACCESSION	AXI29738				
VERSION	AXI29738.1 GI:14136043				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE	1				
AUTHORS	Robbins,J.M. and Tritz,R.				
TITLE	Ribozyme therapy for the treatment of proliferative skin and eye diseases				
JOURNAL	Patent: WO 0130362-A 956 03-MAY-2001;				
FEATURES	IMMUSOL, INC. (US)				
source	1..19				
BASE COUNT	4 a 3 c 9 g 3 t				
Query Match	0.9%; Score 14.4; DB 1; Length 19;				
Best Local Similarity	93.8%; Pred. No. 3.5e+02;				
Matches	15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	793 GGTGAAGGACCTGAGC 808				
Db	1 GGTGAAGGTCCTGAGC 16				
RESULT 142					
LOCUS	ARI63839				
DEFINITION	Sequence 37 from patent US 6271030.				
ACCESSION	ARI63839				
VERSION	ARI63839.1 GI:16234618				
KEYWORDS	Unknown.				
SOURCE	Unknown.				
ORGANISM	Unclassified.				
REFERENCE	1 (bases 1 to 20)				
AUTHORS	Monia,B.P., Butler,M.M. and Wyatt,J.				
TITLE	Antisense inhibition of C/EBP beta expression				
JOURNAL	Patent: US 6271030-A 37 07-AUG-2001;				
FEATURES	Location/Qualifiers				
source	1..20				
BASE COUNT	0 a 6 c 14 g 0 t				
Query Match	0.9%; Score 14.4; DB 1; Length 20;				
Best Local Similarity	93.8%; Pred. No. 3.6e+02;				
Matches	15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
QY	1368 GCGGGGCGGCGGCGG 1383				
Db	5 GCGGCGGCGGCGGCGG 20				

```

SOURCE      Unknown.
ORGANISM     Unknown.
REFERENCE    Unclassified.
AUTHORS      1 (bases 1 to 20)
TITLE        Antisense inhibition of C/EBP beta expression
JOURNAL      Patent: US 6271030-A 127 07-AUG-2001;
FEATURES     Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT  1 a 6 c 8 g 5 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 883 CGACGACGGCGCCAG 898
Db 16 CGACTACGGCGCCAG 1

RESULT 144
AR163930/c
LOCUS      20 bp DNA linear PAT 17-OCT-2001
DEFINITION Sequence 128 from patent US 6271030.
ACCESSION  AR163930
VERSION     AR163930.1 GI:16234769
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Monia,B.P., Butler,M.M. and Wyatt,J.
TITLE      Antisense inhibition of C/EBP beta expression
JOURNAL    Patent: US 6271030-A 128 07-AUG-2001;
FEATURES   Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT  1 a 6 c 8 g 5 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 883 CGACGACGGCGCCAG 898
Db 16 CGACTACGGCGCCAG 1

RESULT 144
AR163930/c
LOCUS      20 bp DNA linear PAT 17-OCT-2001
DEFINITION Sequence 128 from patent US 6271030.
ACCESSION  AR163930
VERSION     AR163930.1 GI:16234769
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Monia,B.P., Butler,M.M. and Wyatt,J.
TITLE      Antisense inhibition of C/EBP beta expression
JOURNAL    Patent: US 6271030-A 128 07-AUG-2001;
FEATURES   Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT  1 a 6 c 8 g 5 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 883 CGACGACGGCGCCAG 898
Db 20 CGACTACGGCGCCAG 5

RESULT 145
AR208802/c
LOCUS      20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 11 from patent US 6383809.
ACCESSION  AR208802
VERSION     AR208802.1 GI:21510051
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Bennett,C.Frank. and Cowseert,L.M.
TITLE      Antisense inhibition of cytohesin-1 expression
JOURNAL    Patent: US 6383809-A 11 07-MAY-2002;
FEATURES   Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT  0 a 10 c 7 g 3 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 32 GCGAGCGCGGCGAG 47

SOURCE      Unknown.
ORGANISM     Unknown.
REFERENCE    Unclassified.
AUTHORS      1 (bases 1 to 20)
TITLE        Antisense inhibition of C/EBP beta expression
JOURNAL      Patent: US 6271030-A 127 07-AUG-2001;
FEATURES     Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT  1 a 6 c 8 g 5 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 883 CGACGACGGCGCCAG 898
Db 16 CGACTACGGCGCCAG 1

RESULT 146
AX456510/c
LOCUS      20 bp DNA linear PAT 06-JUL-2002
DEFINITION Sequence 32 from Patent WO0227016.
ACCESSION  AX456510
VERSION     AX456510.1 GI:21715401
KEYWORDS   .
SOURCE     synthetic construct
            synthetic construct
            artificial sequences.
REFERENCE  1
AUTHORS    Patel,S.B. and Dean,M.
TITLE      Gene involved in dietary sterol absorption and excretion and uses
            therefor
JOURNAL    Patent: WO 0227016-A 32 04-APR-2002;
            THE DEPARTMENT OF HEALTH AND HUMAN SERVICES (US) ; Patel,
            Shaileendra B. (US) ; Dean, Michael (US)
FEATURES   Location/Qualifiers
            1..20
            /organism="synthetic construct"
            /mol_type="genomic DNA"
            /db_xref="taxon:32830"
            /note="Primer"
BASE COUNT  5 a 7 c 4 g 4 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 492 TGACACAGTGGCCAGG 507
Db 16 TGTACCAAGTGGCCAGG 1

RESULT 147
AX613784
LOCUS      20 bp DNA linear PAT 17-FEB-2003
DEFINITION Sequence 4809 from Patent WO02072862.
ACCESSION  AX613784
VERSION     AX613784.1 GI:28409213
KEYWORDS   .
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE  1
AUTHORS    Cullen,P. and Seedorf,U.
TITLE      Coronary chip
JOURNAL    Patent: WO 02072882-A 4809 19-SEP-2002;
            OGHAM GmbH (DE)
FEATURES   Location/Qualifiers
            1..20
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT  3 a 7 c 6 g 4 t
Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 3.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 619 CAAGTACGGCATGCTG 634
Db 5 CAAGTTCGGCATGCTG 20

RESULT 148
BD090479
LOCUS      20 bp DNA linear PAT 27-AUG-2002

```

DEFINITION Method for detecting and assaying methane bacteria.

ACCESSION BD090479
 VERSION BD090479.1 GI:22636089
 KEYWORDS JP 2001327290-A/1.
 SOURCE unidentified

ORGANISM
 unclassified.
 1 (bases 1 to 20)

REFERENCE
 AUTHORS Nakamura,T.

TITLE Method for detecting and assaying methane bacteria

JOURNAL Patent: JP 2001327290-A 1 27-NOV-2001;

COMMENT MITSUBISHI HEAVY INDUSTRIES LTD

OS Methane bacteria

PN JP 2001327290-A/1

PD 27-NOV-2001

PF 22-MAY-2000 JP 2000150109

PI TSUYOSHI NAKAMURA

PC C12N15/09,C12Q1/68,G01N33/569// (C12N15/09,C12R1:01), (C12Q1/68,

PC C12R1:01), (C12N15/00,C12R1:01)

PC 1

CC Key Location/Qualifiers

FT source 1..20

FT /organism='Methane bacteria'.

FEATURES
 source

1..20 Location/Qualifiers

/organism='unidentified'

/mol_type='genomic DNA'

/db_xref='taxon:32644'

BASE COUNT 0 a 10 c 5 g 4 t 1 others

Query Match 0.9%; Score 14.4; DB 1; Length 20;

Best Local Similarity 93.2%; Pred. No. 3.6e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 937 GCGCTCTGCTCACC 953

Db 3 GCGCTCTGCTCACC 953

RESULT 149

BD096469

LOCUS 20 bp DNA linear PAT 27-AUG-2002

DEFINITION Diagnosis of migraine with aura, depression and anxiety from

allic variations in dopaminergic genes.

ACCESSION BD096469

VERSION BD096469.1 GI:22642057

KEYWORDS JP 2001527520-A/10.

SOURCE unidentified

ORGANISM unidentified

REFERENCE unclassified.

1 (bases 1 to 20)

Percutka,S.J.

TITLE Diagnosis of migraine with aura, depression and anxiety from

allic variations in dopaminergic genes

JOURNAL Patent: JP 2001527520-A 10 23-DEC-2001;

COMMENT GLAXO GROUP LTD

OS Unidentified

PN JP 2001527520-A/10

PD 25-DEC-2001

PF 21-AUG-1997 JP 1998511012

PR 22-AUG-1996 US 60/024399,17-JAN-1997 US 60/036091 PI

STEPHEN J PEROUTKA

PC Atk101/445

CC Strandedness: Single;

CC Topology: Linear;

CC Diagnosis of migraine with aura, depression and anxiety from

allic variations in dopaminergic genes

CC variations in dopaminergic genes

CC Key Location/Qualifiers

FT source 1..20

FT /organism='Unidentified'.

FEATURES
 source

1..20 Location/Qualifiers

/organism='unidentified'

/mol_type='genomic DNA'

/db_xref='taxon:32644'

BASE COUNT 7 a 3 c 7 g 3 t

Query Match 0.9%; Score 14.4; DB 1; Length 20;

Best Local Similarity 93.8%; Pred. No. 3.6e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 704 GTGAAGCAGAGAACT 719

Db 4 GTGAATGCAGAGAACT 19

RESULT 150

E31668/c

LOCUS 20 bp DNA linear PAT 18-JUN-2001

DEFINITION Method for distinguishing eucaryotic individual based on PCR finger

print with the use of restriction primer of inter-SINE sequences

and primer to be used therein.

ACCESSION E31668

VERSION E31668.1 GI:13018578

KEYWORDS JP 2000023671-A/41.

SOURCE synthetic construct

ORGANISM synthetic construct

REFERENCE 1 (bases 1 to 20)

Ichiro,O., Ichiro,N. and Hiroshi,Y.

TITLE Method for distinguishing eucaryotic individual based on PCR finger

print with the use of restriction primer of inter-SINE sequences

and primer to be used therein

JOURNAL Patent: JP 2000023671-A 41 25-JAN-2000;

COMMENT NATIONAL RESEARCH INSTITUTE OF AQUACULTURE

OS Artificial Sequence

PN JP 2000023671-A/41

PD 25-JAN-2000

PF 10-JUL-1998 JP 1998195692

PI ICHIRO OHARA, ICHIRO NAKAYAMA, HIROSHI YASUE

PC C12N15/09,C12Q1/68,C12N15/00

CC Key Location/Qualifiers

FT source 1..20

FT /organism='Artificial Sequence'.

FEATURES
 source

1..20 Location/Qualifiers

/organism='synthetic construct'

/mol_type='genomic DNA'

/db_xref='taxon:32630'

BASE COUNT 3 a 9 c 5 g 3 t

Query Match 0.9%; Score 14.4; DB 1; Length 20;

Best Local Similarity 93.8%; Pred. No. 3.6e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1378 CGCGCGCAGTAGCC 1393

Db 20 CGCGCGCAGTAGCC 5

RESULT 151

AR161796/c

LOCUS 19 bp DNA linear PAT 17-OCT-2001

DEFINITION Sequence 106 from patent US 6358529.

ACCESSION AR161796

VERSION AR161796.1 GI:16228746

KEYWORDS Unknown.

SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 19)

AUTHORS Berdoz,J. and Kraehenbuhl,J.-P.

TITLE PCR amplification of rearranged genomic variable regions of immunoglobulin genes

JOURNAL Patent: US 6258529-A 106 10-JUL-2001;

FEATURES Location/Qualifiers

source 1..19

BASE COUNT 2 a 5 c 8 g 4 t

Query Match 0.9%; Score 14.2; DB 1; Length 19;

Best Local Similarity 84.2%; Pred. No. 3.8e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1198 GGGCCAGGCGCACCATTCTC 1216

Db 19 GGGCCAGGCGCACCATTCTC 1

RESULT 152

AX468761

LOCUS AX468761 19 bp DNA linear PAT 16-JUL-2002

DEFINITION Sequence 18 from Patent WO0218574.

ACCESSION AX468761

VERSION AX468761.1 GI:21901529

KEYWORDS synthetic construct

SOURCE synthetic construct

ORGANISM artificial sequences.

REFERENCE 1

AUTHORS Chu, C.C., Chavan, S.S. and Mason, J.M.

TITLE Human interleukin-four induced protein

JOURNAL Patent: WO 0218574-A 18 07-MAR-2002;

North Shore-Long Island Jewish Research Institute (US)

FEATURES Location/Qualifiers

source 1..19

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

/note="Primer"

BASE COUNT 4 a 4 c 8 g 3 t

Query Match 0.9%; Score 14.2; DB 1; Length 19;

Best Local Similarity 84.2%; Pred. No. 3.8e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1515 TGGGATGGCGGTCAAGTC 1533

Db 1 TGGGATGGCGGTCAAGTC 19

RESULT 153

AX535777

LOCUS AX535777 19 bp DNA linear PAT 22-NOV-2002

DEFINITION Sequence 16 from Patent WO02068684.

ACCESSION AX535777

VERSION AX535777.1 GI:25262228

KEYWORDS synthetic construct

SOURCE synthetic construct

ORGANISM artificial sequences.

REFERENCE 1

AUTHORS Lundberg, J., Ahmadian, A. and Nyren, P.

TITLE Allele-specific primer extension assay

JOURNAL Patent: WO 02068684-A 16 06-SEP-2002;

Pyrosequencing AB (SE); DZIEGLEWSKA, Hanna Eva (GB)

FEATURES Location/Qualifiers

source 1..19

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

/note="Primer"

BASE COUNT 2 a 5 c 9 g 3 t

Query Match 0.9%; Score 14.2; DB 1; Length 19;

Best Local Similarity 84.2%; Pred. No. 3.8e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1418 GCTCCGGTGGCGGGGCCA 1436

Db 1 GCTGCTGGTGGCGGGGCCA 19

RESULT 154

AX557192

LOCUS AX557192 19 bp DNA linear PAT 27-NOV-2002

DEFINITION Sequence 90 from Patent WO0244553.

ACCESSION AX557192

VERSION AX557192.1 GI:25900191

KEYWORDS synthetic construct

SOURCE synthetic construct

ORGANISM artificial sequences.

REFERENCE 1

AUTHORS Wolffe, A.P.

TITLE Human heparanase gene regulatory sequences

JOURNAL Patent: WO 0244553-A 90 06-JUN-2002;

Sangamo Biosciences Inc. (US)

FEATURES Location/Qualifiers

source 1..19

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

/note="SBS# 5349 target"

BASE COUNT 4 a 3 c 12 g 0 t

Query Match 0.9%; Score 14.2; DB 1; Length 19;

Best Local Similarity 84.2%; Pred. No. 3.8e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1544 CCGGGCGCGGGGAGGGG 1562

Db 1 CCGGAGGCCAGGGAGGAG 19

RESULT 155

BD094590/c

LOCUS BD094590 19 bp DNA linear PAT 27-AUG-2002

DEFINITION Substrate for immobilizing ligand.

ACCESSION BD094590

VERSION BD094590.1 GI:22640178

KEYWORDS WO 0135098-A/28.

SOURCE synthetic construct

ORGANISM artificial sequences.

REFERENCE 1

(bases 1 to 19)

Kato, I., Izu, H. and Asada, K.

Substrate for immobilizing ligand

Patent: WO 0135098-A 28 17-MAY-2001;

TAKARA SHUZO CO LTD, IKUNOSHIN KATO, HIROYUKI IZU, KIYOZO ASADA

OS Artificial Sequence

PN WO 0135098-A/28

PD 17-MAY-2001

PF 24-OCT-2000 WO 2000JP007415

PR 05-NOV-1999 JP 99P 315610

PI IKUNOSHIN KATO, HIROYUKI IZU, KIYOZO ASADA

PC GOIN33/543, GOIN33/521, GOIN33/53, GOIN33/566, GOIN37/00 CC

Designed oligonucleotide primer for amplifying a portion of CC

insulin

CC receptor gene.

PH Key Location/Qualifiers

FT source 1..19

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

FEATURES Location/Qualifiers

source 1..19

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

1368 GCGGGGCGGCGGGCAG 1386

```

Db      19  GCCGGGGGGGGGGAG 1
|||||
RESULT 160
AR037348
LOCUS      AR037348          20 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 23 from patent US 5801154.
ACCESSION AR037348
VERSION    AR037348.1  GI:5955204
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Baracchini,E., Bennett,C.Frank, and Dean,N.M.
TITLE      Antisense oligonucleotide modulation of multidrug
           resistance-associated protein
JOURNAL    Patent: US 5801154-A 23 01-SEP-1998;
FEATURES   Location/Qualifiers
           source
           1..20
           /organism="unknown"
BASE COUNT      2 a      8 c      6 g      4 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1293  GCGTGGCGGCGGCTCT 1311
|||||
Db      1  GCCAGGCTCAGCGGTGCT 19
|||||

RESULT 161
AR040631
LOCUS      AR040631          20 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 23 from patent US 5807838.
ACCESSION AR040631
VERSION    AR040631.1  GI:5959994
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Baracchini,E. Jr. and Bennett,C.Frank.
TITLE      Oligonucleotide modulation of multidrug resistance-associated
           protein
JOURNAL    Patent: US 5807838-A 23 15-SEP-1998;
FEATURES   Location/Qualifiers
           source
           1..20
           /organism="unknown"
BASE COUNT      2 a      8 c      6 g      4 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1293  GCGTGGCGGCGGCTCT 1311
|||||
Db      1  GCCAGGCTCAGCGGTGCT 19
|||||

RESULT 162
AR060544/c
LOCUS      AR060544          20 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 45 from patent US 5840693.
ACCESSION AR060544
VERSION    AR060544.1  GI:5986994
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)

AUTHORS    Eriksen,U., Olofsson,B., Alitalo,K. and Pajusola,K.
TITLE      Vascular endothelial growth factor-B
JOURNAL    Patent: US 5840693-A 45 24-NOV-1998;
FEATURES   Location/Qualifiers
           source
           1..20
           /organism="unknown"
BASE COUNT      2 a      9 c      7 g      2 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1331  CGCAGCGACCGCGCGGG 1349
|||||
Db      19  CGCAGCTACCTGGCGGG 1
|||||

RESULT 163
AR068763/c
LOCUS      AR068763          20 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 12 from patent US 5854049.
ACCESSION AR068763
VERSION    AR068763.1  GI:6000970
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Reed,G.L.
TITLE      Plasmin-resistant streptokinase
JOURNAL    Patent: US 5854049-A 12 29-DEC-1998;
FEATURES   Location/Qualifiers
           source
           1..20
           /organism="unknown"
BASE COUNT      3 a      7 c      7 g      3 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      960  ACCTGCTCTTGTGGCGCC 978
|||||
Db      19  ACCTGCTCATGGAGCGCC 1
|||||

RESULT 164
AR069073/c
LOCUS      AR069073          20 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 23 from patent US 5854410.
ACCESSION AR069073
VERSION    AR069073.1  GI:6001280
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 20)
AUTHORS    Arnold,L.J. Jr., Reynolds,M.A., Schwartz,D.A. and Daily,W.J.
TITLE      Oligonucleoside cleavage compounds and therapies
JOURNAL    Patent: US 5854410-A 23 29-DEC-1998;
FEATURES   Location/Qualifiers
           source
           1..20
           /organism="unknown"
BASE COUNT      1 a      9 c      1 g      9 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      11  CAGCGAGGAGAGAGCGAG 29
|||||
Db      20  CAGAGAGAGAGAGAGAG 2
|||||

```

RESULT 165
AR079640/c
LOCUS AR079640 20 bp DNA linear PAT 31-AUG-2000
DEFINITION Sequence 20 from patent US 5965722.
ACCESSION AR079640
VERSION AR079640.1 GI:10006381
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Ecker,D.J., Cook,P.Dan., Monia,B.P., Freier,S.M. and Sarghvi,Y.S.
TITLE Antisense inhibition of ras gene with chimeric and alternating oligonucleotides
JOURNAL Patent: US 5965722-A 20 12-OCT-1999;
FEATURES Location/Qualifiers
source 1..20
BASE COUNT 0 a 12 c 6 g 2 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1368 GCGGGGGCGGGCGGCGAG 1386
Db 19 GCGGGGGCGGGCGGAGCGAG 1

RESULT 166
AR088462
LOCUS AR088462 20 bp DNA linear PAT 07-SEP-2000
DEFINITION Sequence 48 from patent US 5989885.
ACCESSION AR088462
VERSION AR088462.1 GI:10015226
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Teng,D.H.-F., Tavtigian,S.V., Perry,W.L. III and Skolnick,M.H.
TITLE Specific mutations of map kinase 4 (MK4) in human tumor cell lines identify it as a tumor suppressor in various types of cancer
JOURNAL Patent: US 5989885-A 48 23-NOV-1999;
FEATURES Location/Qualifiers
source 1..20
BASE COUNT 6 a 1 c 13 g 0 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 11 CAGCGAGGAGAGAGCGAG 29
Db 1 CGGGAGGAGAGAGAGGAG 19

RESULT 167
AR100185/c
LOCUS AR100185 20 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 35 from patent US 6080567.
ACCESSION AR100185
VERSION AR100185.1 GI:12810633
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Kofod,L.Venke., Kauppinen,M.Sakari., Christgau,S.,
Heldt-Hansen,H.Peter., Dalb.o slashed.Ge.H., Andersen,L.Nonboe.,
Si,J.Oi., Jacobsen,T.Sejersgaard., Munk,N. and Mullertz,A.
TITLE Enzymes with xylanase activity from Aspergillus aculeatus

JOURNAL Patent: US 6080567-A 35 27-JUN-2000;
FEATURES Location/Qualifiers
source 1..20
BASE COUNT 0 a 13 c 4 g 3 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1373 GCGGGGGCGGGCGAGTAG 1391
Db 20 GCGGGGGCGGGCGAGGAG 2

RESULT 168
AR102403/c
LOCUS AR102403 20 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 28 from patent US 6083923.
ACCESSION AR102403
VERSION AR102403.1 GI:128113201
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Hardee,G.E., Geary,R.S., Levin,A., Templin,M.V., Howard,R. and Mehta,R.C.
TITLE Liposomal oligonucleotide compositions for modulating RAS gene expression
JOURNAL Patent: US 6083923-A 28 04-JUL-2000;
FEATURES Location/Qualifiers
source 1..20
BASE COUNT 0 a 12 c 6 g 2 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1368 GCGGGGGCGGGCGGCGAG 1386
Db 19 GCGGGGGCGGGCGGAGCGAG 1

RESULT 169
AR124487/c
LOCUS AR124487 20 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 56 from patent US 6171860.
ACCESSION AR124487
VERSION AR124487.1 GI:14109848
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F. and Cowsert,L.M.
TITLE Antisense inhibition of rank expression
JOURNAL Patent: US 6171860-A 56 09-JAN-2001;
FEATURES Location/Qualifiers
source 1..20
BASE COUNT 1 a 13 c 5 g 1 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1368 GCGGGGGCGGGCGGCGAG 1386
Db 19 GAGGGGGCGGGCGGCGGCTG 1

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RESULT 170
LOCUS ARI130116 20 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 19 from patent US 6187587.
ACCESSION ARI130116
VERSION ARI130116.1 GI:14118013
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Popoff, I., Brown-Driver, V.L. and Cowse, L.M.
TITLE Antisense inhibition of e2f transcription factor 1 expression
JOURNAL Patent: US 6187587-A 19 13-FEB-2001;
FEATURES
source
BASE COUNT 1 a 5 c 13 g 1 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1123 CCGCGGCTCTCCGCGCC 1141
Db 20 CCGCGGCTCTCCGCGCC 2
RESULT 171
LOCUS ARI137875 20 bp DNA linear PAT 16-JUN-2001
DEFINITION Sequence 35 from patent US 6197564.
ACCESSION ARI137875
VERSION ARI137875.1 GI:14479384
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Kofod, L., Venke, Kauppinen, M., Sakari, Christgau, S.,
Heldt-Hansen, H., Peter, Dalb. o slashed, ge, H., Andersen, L., Nonboe,
Si, J., Qi, Jacobsen, T., Sejersgaard, Munk, N., and Mullertz, A.
TITLE Enzymes with xylanase activity from Aspergillus aculeatus
JOURNAL Patent: US 6197564-A 35 06-MAR-2001;
FEATURES
source
BASE COUNT 0 a 13 c 4 g 3 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1373 GCGCGGCGCGCGAGTAG 1391
Db 20 GCGCGGCGCGCGAGTAG 2
RESULT 172
LOCUS ARI139321 20 bp DNA linear PAT 16-JUN-2001
DEFINITION Sequence 29 from patent US 6207372.
ACCESSION ARI139321
VERSION ARI139321.1 GI:14481817
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Shuber, A.P.
TITLE Universal primer sequence for multiplex DNA amplification
JOURNAL Patent: US 6207372-A 29 27-MAR-2001;
FEATURES
source
LOCUS ARI178908 20 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 154 from patent US 6319906.
ACCESSION ARI178908
VERSION ARI178908.1 GI:20220046
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Bennett, C., Frank, and Vickers, T.A.
TITLE Oligonucleotide compositions and methods for the modulation of the
expression of B7 protein
JOURNAL Patent: US 6319906-A 154 20-NOV-2001;
FEATURES
source
BASE COUNT 6 a 8 c 3 g 3 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 898 GAAGTCTTCTACGTATC 916
Db 19 GAAGTCTTCTACGTATC 1
RESULT 175
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source 1..20
/organism="unknown"
BASE COUNT 0 a 9 c 11 g 0 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1344 GCGGGGACAGCGCGCGG 1362
Db 2 GCGGGGCGCGCGCGCGG 20
RESULT 173
LOCUS ARI149869 20 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 35 from patent US 6228630.
ACCESSION ARI149869
VERSION ARI149869.1 GI:15114460
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Kofod, L., Venke, Kauppinen, M., Sakari, Christgau, S.,
Heldt-Hansen, H., Peter, Dalb. o slashed, ge, H., Andersen, L., Nonboe,
Si, J., Qi, Jacobsen, T., Sejersgaard, Munk, N., and Mullertz, A.
TITLE Enzymes with xylanase activity from Aspergillus aculeatus
JOURNAL Patent: US 6228630-A 35 08-MAY-2001;
FEATURES
source
BASE COUNT 0 a 13 c 4 g 3 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1373 GCGCGGCGCGCGAGTAG 1391
Db 20 GCGCGGCGCGCGAGTAG 2
RESULT 174
LOCUS ARI178908 20 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 154 from patent US 6319906.
ACCESSION ARI178908
VERSION ARI178908.1 GI:20220046
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Bennett, C., Frank, and Vickers, T.A.
TITLE Oligonucleotide compositions and methods for the modulation of the
expression of B7 protein
JOURNAL Patent: US 6319906-A 154 20-NOV-2001;
FEATURES
source
BASE COUNT 6 a 8 c 3 g 3 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 898 GAAGTCTTCTACGTATC 916
Db 19 GAAGTCTTCTACGTATC 1
RESULT 175
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AR201438/c AR201438 20 bp DNA linear PAT 20-APR-2002
LOCUS Sequence 20 from patent US 6359124.
DEFINITION AR201438
ACCESSION AR201438
VERSION AR201438.1 GI:20252326
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 20)
Ecker,D.J., Cook,P., Dan., Monia,B.P., Freier,S.M. and Sanghvi,Y.S.
Antisense inhibition of ras gene with chimeric and alternating
oligonucleotides
JOURNAL Patent: US 6359124-A 20 19-MAR-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"
BASE COUNT 0 a 12 c 6 g 2 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1368 GCGGGGGCGGCGCGGCGAG 1386
Db 19 GCCGCGGCGGCGGAGGCG 1
RESULT 176
AR206614 20 bp DNA linear PAT 20-JUN-2002
LOCUS Sequence 34 from patent US 6372433.
DEFINITION AR206614
ACCESSION AR206614
VERSION AR206614.1 GI:21505271
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 20)
Baker,B.F., Bennett,C.Frank. and Wyatt,J.
Antisense modulation of inhibitor of DNA binding-1 expression
JOURNAL Patent: US 6372433-A 34 16-APR-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"
BASE COUNT 3 a 7 c 6 g 4 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 958 GCACCTGCTCTTTGTCGCG 976
Db 1 GCACCACTCTCTTGAGCG 19
RESULT 177
AR220167/c AR220167 20 bp DNA linear PAT 26-SEP-2002
LOCUS Sequence 32 from patent US 6423543.
DEFINITION AR220167
ACCESSION AR220167
VERSION AR220167.1 GI:23324610
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 20)
Marcotte,P.A. and Cowseert,L.M.
Antisense modulation of hepsin expression
JOURNAL Patent: US 6423543-A 32 23-JUL-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"

BASE COUNT 4 a 9 c 5 g 2 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 808 CCCCGGGGACCGGCTGCTG 826
Db 20 CTCGGGGGACTGGTGCTG 2
RESULT 178
AR221462/c AR221462 20 bp DNA linear PAT 26-SEP-2002
LOCUS Sequence 12 from patent US 6426221.
DEFINITION AR221462
ACCESSION AR221462
VERSION AR221462.1 GI:23328512
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 20)
Ward,D.T. and Cowseert,L.M.
Antisense modulation of RIP2 expression
JOURNAL Patent: US 6426221-A 12 30-JUL-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"
BASE COUNT 1 a 8 c 8 g 3 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 800 GACCTGAGCCCGGGGACC 818
Db 20 GGCCTGAGCGCGGGGACC 2
RESULT 179
AR224718 20 bp DNA linear PAT 26-SEP-2002
LOCUS Sequence 23 from patent US 6440739.
DEFINITION AR224718
ACCESSION AR224718
VERSION AR224718.1 GI:23333558
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 20)
Bennett,C.F. and Freier,S.M.
Antisense modulation of glioma-associated oncogene-2 expression
JOURNAL Patent: US 6440739-A 23 27-AUG-2002;
FEATURES Location/Qualifiers
source 1..20
/organism="unknown"
BASE COUNT 2 a 5 c 7 g 6 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 150 AGATGCTGCTGCTGCGGAG 168
Db 1 AGTTGCTGCTGCTGCTGAG 19
RESULT 180
AR234546 20 bp DNA linear PAT 20-DEC-2002
LOCUS Sequence 2 from patent US 6458590.
DEFINITION AR234546
ACCESSION AR234546
VERSION AR234546.1 GI:27277250

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KEYWORDS
SOURCE      Unknown.
ORGANISM    Unknown.
            Unclassified.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Mukherjee,A.B., Kundu,G.C. and Panda,D.K.
TITLE       Methods and compositions for treatment of restenosis
JOURNAL     Patent: US 6458590-A 2 01-OCT-2002;
FEATURES
SOURCE      Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT   5 a      6 c      4 g      5 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 548 CACCACCTCAGAGAGTCTC 566
Db 1 CACCAGTCTGATGAGTCTC 19

RESULT 181
LOCUS      AR262768/c
DEFINITION Sequence 45 from patent US 6331301.
ACCESSION  AR262768
VERSION     AR262768.1 GI:28074441
KEYWORDS
SOURCE      Unknown.
ORGANISM    Unknown.
            Unclassified.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Eriksson,U., Olofsson,B., Alitalo,K. and Pajusola,K.
TITLE       Antibodies specific for vascular endothelial growth factor-B
JOURNAL     Patent: US 6331301-A 45 18-DEC-2001;
FEATURES
SOURCE      Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT   2 a      9 c      7 g      2 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1331 CGCAGCAGCGCGCGCGGG 1349
Db 19 CGCAGCTACTGCGCGGG 1

RESULT 182
LOCUS      AR271767/c
DEFINITION Sequence 11 from patent US 6503754.
ACCESSION  AR271767
VERSION     AR271767.1 GI:29703335
KEYWORDS
SOURCE      Unknown.
ORGANISM    Unknown.
            Unclassified.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Zhang,H. and Wyatt,J.
TITLE       Antisense modulation of BHL3 interacting domain death agonist
JOURNAL     Patent: US 6503754-A 11 07-JAN-2003;
FEATURES
SOURCE      Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT   7 a      5 c      6 g      2 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

KEYWORDS
SOURCE      Unknown.
ORGANISM    Unknown.
            Unclassified.
REFERENCE   1 (bases 1 to 20)
AUTHORS     Mukherjee,A.B., Kundu,G.C. and Panda,D.K.
TITLE       Methods and compositions for treatment of restenosis
JOURNAL     Patent: US 6458590-A 2 01-OCT-2002;
FEATURES
SOURCE      Location/Qualifiers
            1..20
            /organism="unknown"
BASE COUNT   5 a      6 c      4 g      5 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 170 TGTCTGCTGCTAGTCTCTCG 188
Db 20 TGTCTGAGCTCTGCTCTCG 2

RESULT 183
LOCUS      AX008654/c
DEFINITION Sequence 7 from Patent WO9966037.
ACCESSION  AX008654
VERSION     AX008654.1 GI:9996178
KEYWORDS
SOURCE      synthetic construct
ORGANISM    synthetic construct
            artificial sequences.
REFERENCE   1
AUTHORS     Renzi,P.
TITLE       Antisense oligonucleotides for treating or preventing atopic
JOURNAL     diseases and neoplastic cell proliferation
            Patent: WO 9966037-A 7 23-DEC-1999;
            RENZI PAOLO (CA); RECH EXPERTISES ET DEV MEDICAU (CA)
FEATURES
SOURCE      Location/Qualifiers
            1..20
            /organism="synthetic construct"
            /mol_type="genomic DNA"
            /db_xref="taxon:32830"
            /note="Antisense oligonucleotide inhibiting the common
            subunit of IL-4 and IL-13 human receptor"
BASE COUNT   0 a      16 c      4 g      0 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1546 GGGGGCGGGGGGGGGGGCG 1564
Db 19 GGGGGCGGGGGGGGGGGCG 1

RESULT 184
LOCUS      AX009450/c
DEFINITION Sequence 3 from Patent WO9961662.
ACCESSION  AX009450
VERSION     AX009450.1 GI:9996736
KEYWORDS
SOURCE      synthetic construct
ORGANISM    synthetic construct
            artificial sequences.
REFERENCE   1
AUTHORS     Shchepinov,M.S. and Southern,E.M.
TITLE       Polynucleotide multimers and their use in hybridisation assays
JOURNAL     Patent: WO 9961662-A 3 02-DEC-1999;
            SHCHEPINOV MIKHAIL SERGEEVICH (GB); SOUTHERN EDWIN MELLOR (GB);
            ISIS INNOVATION (GB)
FEATURES
SOURCE      Location/Qualifiers
            1..20
            /organism="synthetic construct"
            /mol_type="genomic DNA"
            /db_xref="taxon:32630"
            /note="Oligonucleotide"
BASE COUNT   0 a      10 c      0 g      10 t
Query Match      0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 41 GAGCGAGGAAGGGAAGCG 59
Db 20 GAGGAAGGGAAGGGAAGAG 2

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RESULT 185
AX037348/c
LOCUS AX037348 20 bp DNA linear PAT 16-NOV-2000
DEFINITION Sequence 1 from Patent WO0058506.
ACCESSION AX037348
VERSION AX037348.1 GI:11226773
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Barker, J.N. and Trembath, R.C.
TITLE Susceptibility to psoriasis
JOURNAL Patent: WO 0058506-A 1 05-OCT-2000;
KING S COLLEGE LONDON (GB); UNIV LEICESTER (GB); BARKER JONATHAN
NICHOLAS WILLI (GB); TREMBATH RICHARD CHARLES (GB)
FEATURES
source
1. .20
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606" 7 t
BASE COUNT 3 a 10 c 0 g 7 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 235 GGGGTTCCGGAAGAGGAGG 253
Db 20 GAGGTTGGGAGAGGAGG 2
RESULT 186
AX048785/c
LOCUS AX048785 20 bp DNA linear PAT 12-JAN-2001
DEFINITION Sequence 56 from Patent WO0070059.
ACCESSION AX048785
VERSION AX048785.1 GI:12225930
KEYWORDS
SOURCE Zea mays
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
REFERENCE
AUTHORS Helentjaris, T.G.
TITLE Signal transduction genes and methods of use
JOURNAL Patent: WO 0070059-A 56 23-NOV-2000;
PIONEER HI-BRED INTERNATIONAL, INC. (US)
FEATURES
source
1. .20
/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:4577" 4 t
BASE COUNT 3 a 8 c 5 g 4 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 639 GCCTGGCGGTGGAGCGCG 657
Db 20 GCCTGGCGGTGGAAACCTG 2
RESULT 187
AX224942/c
LOCUS AX224942 20 bp DNA linear PAT 10-SEP-2001
DEFINITION Sequence 96 from Patent WO0161030.
ACCESSION AX224942
VERSION AX224942.1 GI:15555015
KEYWORDS
SOURCE

SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Gray, D.M. and Bollon, A.P.
TITLE Libraries of optimum subsequence regions of mrna and genomic dna
for control of gene expression
JOURNAL Patent: WO 0161030-A 96 23-AUG-2001;
Cytoconal Pharmaceuticals, Inc. (US); University of Texas at
Dallas, Dept. of Molecular and Cell Biology (US); Lab. of
Experimental Carcinogenesis, National Cancer Institute/NIH (US)
FEATURES
source
1. .20
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606" 2 a 8 c 10 g 0 t
BASE COUNT 2 a 8 c 10 g 0 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1283 GGGCCCTTCGCGCTGGCGC 1301
Db 19 GGGCCCGCTGCTGGCGC 1
RESULT 188
AX224943/c
LOCUS AX224943 20 bp DNA linear PAT 10-SEP-2001
DEFINITION Sequence 97 from Patent WO0161030.
ACCESSION AX224943
VERSION AX224943.1 GI:15555016
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Gray, D.M. and Bollon, A.P.
TITLE Libraries of optimum subsequence regions of mrna and genomic dna
for control of gene expression
JOURNAL Patent: WO 0161030-A 97 23-AUG-2001;
Cytoconal Pharmaceuticals, Inc. (US); University of Texas at
Dallas, Dept. of Molecular and Cell Biology (US); Lab. of
Experimental Carcinogenesis, National Cancer Institute/NIH (US)
FEATURES
source
1. .20
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606" 2 a 7 c 11 g 0 t
BASE COUNT 2 a 7 c 11 g 0 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1283 GGGCCCTTCGCGCTGGCGC 1301
Db 20 GGGCCCGCTGCTGGCGC 2
RESULT 189
AX293815/c
LOCUS AX293815 20 bp DNA linear PAT 21-NOV-2001
DEFINITION Sequence 5577 from Patent WO0179548.
ACCESSION AX293815
VERSION AX293815.1 GI:17055498
KEYWORDS
SOURCE synthetic construct
ORGANISM artificial sequences.

```

1
REFERENCE
AUTHORS Barany,F., Zirvi,M., Gerry,N.P., Pavis,R. and Kliman,R.
TITLE Method of designing addressable array for detection of nucleic acid
JOURNAL sequence differences using ligase detection reaction
PATENT: WO 0179348-A 5577 25-OCT-2001;
CORNELL RESEARCH FOUNDATION, INC. (US)
FEATURES
source
Location/Qualifiers
1. .20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="Hypothetical Probe Sequence"
BASE COUNT 2 a 8 c 4 g 6 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 3.8e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 525 CCGAGGCTGGGACGAGA 543
Db 20 CCGTGGATAGGACGAAGA 2
RESULT 190
AX299012/c
LOCUS AX299012 20 bp DNA linear PAT 26-NOV-2001
DEFINITION Sequence 646 from Patent WO0183749.
ACCESSION AX299012
VERSION AX299012.1 GI:17129002
KEYWORDS Mus sp.
ORGANISM Mus sp.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE
1
AUTHORS Bachmanov,A.A., Beauchamp,G.K., Chatterjee,A., de Jong,P.J., Li,S.,
Li,X., Ohmen,J.D., Reed,D.R., Ross,D. and Tordoff,M.G.
TITLE Gene and sequence variation associated with sensing carbohydrate
compounds and other sweeteners
JOURNAL Patent: WO 0183749-A 646 08-NOV-2001;
WARNER-LAMBERT COMPANY (US) ; The Monell Chemical Senses Center
(US)
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AX671167/c
LOCUS AX671167 20 bp DNA linear PAT 27-MAR-2003
DEFINITION Sequence 7 from Patent WO03004511.
ACCESSION AX671167
VERSION AX671167.1 GI:29329623
KEYWORDS synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1
AUTHORS Renzi,P., Allam,M. and Alakhverdi,Z.
TITLE Methods for increasing in vivo efficacy of oligonucleotides and
inhibiting inflammation in mammals
JOURNAL Patent: WO 03004511-A 7 16-JAN-2003;
Topigen Pharmaceuticals Inc (CA)
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Db 19 GGGGGCGGGGGGGGGGGCG 1
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BD006253/c
LOCUS BD006253 20 bp DNA linear PAT 31-JAN-2002
DEFINITION Antisense inhibition of ras gene with chimeric and alternating
oligonucleotides.
ACCESSION BD006253
VERSION BD006253.1 GI:18634624
KEYWORDS JP 2001500530-A/20.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1 (bases 1 to 20)
AUTHORS Ecker,D.J., Cook,P.D., Monia,B.P., Freier,S.M. and Sang,Y.S.
TITLE Antisense inhibition of ras gene with chimeric and alternating
oligonucleotides
JOURNAL Patent: JP 2001500530-A 20 16-JAN-2001;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
FN JP 2001500530-A/20
PD 16-JAN-2001
PF 30-APR-1998 JP 1998547418
PR 30-APR-1997 US 08/848840
PI DAVID J ECKER, PHILIP DAN COOK, BRETT P MONIA, SUSAN M FREIER, PI
YOGESH S SANGHVI
PC C12Q1/68, C12P19/34, C07H19/16, C07H19/167, C07H19/173, C07H19/067,
PC C07H19/06,
PC C07H19/09, C07H21/04, A61K48/00
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Db 19 GCCCGCGGGGGGGGGGCG 1
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BD073147/c
LOCUS BD073147 20 bp DNA linear PAT 27-AUG-2002
DEFINITION Antisense oligonucleotide inhibition of RAS.
ACCESSION BD073147
VERSION BD073147.1 GI:22618750
KEYWORDS JP 2001509394-A/20.
unidentified

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[illegible]

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PD 12-OCT-1993
PF 16-MAR-1992 JP 1992090268
PI MATSUMOTO TOSHIYA, KURIMURA TAKASHI, KITA HIROSHI PC
C12Q1/68, C12N15/10, C12N15/38, C12Q1/70;
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CC hypothetical: No;
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Db 19 CGCCCGCGCGCTTCGCGC 1
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LOCUS      E34262      20 bp      DNA      linear      PAT 31-JAN-2002
DEFINITION Pollinosis-associated gene.
ACCESSION E34262
VERSION E34262.1 GI:18624267
KEYWORDS JP 2000106879-A/6.
SOURCE      synthetic construct
ORGANISM      artificial sequences.
REFERENCE 1 (bases 1 to 20).
AUTHORS Nagasu,T., Sugita,Y., Kashiwabara,T., Oshida,T., Obayashi,M.,
Gunji,S., Obayashi,I., Imai,Y., No.N. and Ogawa,K.
TITLE Pollinosis-associated gene
JOURNAL Patent: JP 2000106879-A 6 18-APR-2000;
GENOX RESEARCH INC
COMMENT OS Artificial Sequence
PN JP 2000106879-A/6
PD 18-APR-2000
PF 06-OCT-1998 JP 1998284610
PR TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA,
PI MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,
PI NING NO.
PI KAGURU OGAWA
PC C12N15/09, A61K31/00, A61K39/36, A61K45/00, C12Q1/68, C12N15/00 CC
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Db 1 CCTGGCACCTGCTCTTCT 19
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DEFINITION Sequence 10 from patent US 5422265.
ACCESSION I12355
VERSION I12355.1 GI:910378
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Civelli,O. and Van Tol,H.H.
TITLE DNA sequence for the human dopamine receptor D.sub.4 and expression thereof in mammalian cells
JOURNAL Patent: US 5422265-A 10 06-JUN-1995;
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Db 20 GCGCGCAGGACCGCGGG 2
RESULT 199
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LOCUS      I19642      20 bp      DNA      linear      PAT 07-OCT-1996
DEFINITION Sequence 23 from patent US 5510239.
ACCESSION I19642
VERSION I19642.1 GI:1599997
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baracchini,E. Jr. and Bennett,C.F.
TITLE Oligonucleotide modulation of multidrug resistance-associated protein
JOURNAL Patent: US 5510239-A 23 23-APR-1996;
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LOCUS      I27426      20 bp      DNA      linear      PAT 06-FEB-1997
DEFINITION Sequence 62 from patent US 5565323.
ACCESSION I27426
VERSION I27426.1 GI:1818202
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Parker,W.Davis. and Herrnstadt,C.
TITLE Cytochrome oxidase mutations aiding diagnosis of sporadic alzheimer's disease
JOURNAL Patent: US 5565323-A 62 15-OCT-1996;
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SOURCE Unknown.					
ORGANISM Unclassified.					
REFERENCE 1 (bases 1 to 20)					
AUTHORS Kofod,L.Venke., Kauppinen,M.Sakari., Christgau,S.,					
Heidt-Hansen,H.Peter., Dalb.o slashed.ge,H., Andersen,L.Nonboe.,					
Si,J.Qi., Jacobsen,T.Sejersgaard., Munk,N. and Mullertz,A.					
Enzymes with xylanase activity from Aspergillus aculeatus					
Patent: US 5693518-A 35 02-DEC-1997;					
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Db 20 GGCGGGGCGGCAGCAGAAG 2					
RESULT 204					
A88671 A88671 15 bp DNA linear PAT 22-JAN-2000					
LOCUS Sequence 819 from Patent WO9833904.					
DEFINITION A88671					
ACCESSION A88671					
VERSION A88671.1 GI:6737241					
KEYWORDS unidentified					
SOURCE unidentified					
ORGANISM unclassified.					
REFERENCE 1 (bases 1 to 15)					
AUTHORS Brysch,W. and Schlingensiepen,K.					
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD					
JOURNAL Patent: WO 9833904-A 819 05-AUG-1998;					
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)					
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LOCUS Sequence 819 from Patent EP0856579.					
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ACCESSION A90638					
VERSION A90638.1 GI:6739152					
KEYWORDS unidentified					
SOURCE unidentified					
ORGANISM unclassified.					
REFERENCE 1 (bases 1 to 15)					
AUTHORS Brysch,W.D. and Schlingensiepen,K.D.					
TITLE An antisense oligonucleotide preparation method					
JOURNAL Patent: EP 0856579-A 819 05-AUG-1998;					
BIOGNOSTIK GES (DE)					
FEATURES Location/Qualifiers					
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Db 19 GGCTTCACCGGAGTACT 1					
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LOCUS Sequence 95 from patent US 5565323.					
DEFINITION I27459					
ACCESSION I27459					
VERSION I27459.1 GI:1818235					
KEYWORDS Unknown.					
SOURCE Unknown.					
ORGANISM Unclassified.					
REFERENCE 1 (bases 1 to 20)					
AUTHORS Parker,W.Davis. and Hernstadt,C.					
TITLE Cytochrome oxidase mutations aiding diagnosis of sporadic					
alzheimer's disease					
JOURNAL Patent: US 5565323-A 95 15-OCT-1996;					
FEATURES Location/Qualifiers					
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LOCUS Sequence 10 from patent US 5594108.					
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ACCESSION I33964					
VERSION I33964.1 GI:1824755					
KEYWORDS Unknown.					
SOURCE Unknown.					
ORGANISM Unclassified.					
REFERENCE 1 (bases 1 to 20)					
AUTHORS Civelli,O. and Van Tol,H.H.					
TITLE Human dopamine receptor and its uses					
JOURNAL Patent: US 5594108-A 10 14-JAN-1997;					
FEATURES Location/Qualifiers					
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LOCUS Sequence 35 from patent US 5693518.					
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RESULT 206
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DEFINITION Sequence 37 from patent US 6133031.
ACCESSION AR116349
VERSION AR116349.1 GI:14096671
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Monia,B.P. and Gaarde,W.A.
TITLE Antisense inhibition of focal adhesion kinase expression
JOURNAL Patent: US 6133031-A 37 17-OCT-2000;
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Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 191 TCCTCGCTGCTGCT 204
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Db 1 TCCTCGCTGCTGCT 14

RESULT 207
LOCUS AR131625 15 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 50 from patent US 6194150.
ACCESSION AR131625
VERSION AR131625.1 GI:14120528
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 50 27-FEB-2001;
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Db 2 GGTCTTCTACGTGA 15

RESULT 208
LOCUS BD066184 15 bp DNA linear PAT 27-AUG-2002

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DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD066184
VERSION BD066184.1 GI:22611787
KEYWORDS JP 2001511000-A/819.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 15)
AUTHORS Schlengerslepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 819 07-AUG-2001;
COMMENT BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/819
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC CL2N15/11.C07H21/04.A61K31/70
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QY 1371 GGGCGCGCGCGCGC 1384
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Db 1 GGGCGCGCGCGCGC 14

RESULT 209
LOCUS AX007862 16 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 404 from Patent WO9967428.
ACCESSION AX007862
VERSION AX007862.1 GI:9995559
KEYWORDS
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
REFERENCE 1
AUTHORS Stuyver,L.
TITLE Method for detection of drug-selected mutations in the hiv protease
JOURNAL Patent: WO 9967428-A 404 29-DEC-1999;
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
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RESULT 210
LOCUS AX216347

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LOCUS AX216347 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1789 from Patent WO0159103.
ACCESSION AX216347
VERSION AX216347.1 GI:15526408
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
JOURNAL Patent: WO 0159103-A 1789 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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Db 2 GCGCGCGCGGCAG 15
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LOCUS AX216895 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2337 from Patent WO0159103.
ACCESSION AX216895
VERSION AX216895.1 GI:15526956
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
JOURNAL Patent: WO 0159103-A 2337 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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Qy 1373 GCGCGCGCGGCAG 1386
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Db 3 GCGCGCGCGGCAG 16
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LOCUS AR029261 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 12 from patent US 5859229.
ACCESSION AR029261
VERSION AR029261.1 GI:5941234
KEYWORDS

SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Knies, D.A.
TITLE Antisense oligonucleotides to suppress eicosanoid formation
JOURNAL Patent: US 5859229-A 12 12-JAN-1999;
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Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1132 CCTGCCCGCGCGCTG 1145
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Db 15 CCTGCCCGCGCGCTG 2
RESULT 213
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LOCUS AR141675 19 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 6 from patent US 6146871.
ACCESSION AR141675
VERSION AR141675.1 GI:15101191
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 19)
AUTHORS Garcia Lopez, J. Luis., Cortes Rubio, E., Guisan Seijas, J. Manuel.,
Barredo Fuente, J. Luis., Diez Garcia, B., Collados de la Vieja, A.,
Vitalier Alba, A. and Salto Maldonado, F.
TITLE Process for modifying the enzyme 7.beta.-(4-carboxybutanamide)
cephalosporinacetylase and purifying said enzyme in a single
chromatographic step
JOURNAL Patent: US 6146871-A 6 14-NOV-2000;
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Db 15 CCGGGGCTCGGCCA 2
RESULT 214
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LOCUS AX052895 19 bp DNA linear PAT 12-JAN-2001
DEFINITION Sequence 1 from Patent WO0071755.
ACCESSION AX052895
VERSION AX052895.1 GI:12226997
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Kwach, J. G., Macklin, J. J., Mitsis, P. G. and Ulmer, K. M.
TITLE Method for sequence and characterizing polymeric biomolecules using
aptamers and a method for producing aptamers
JOURNAL Patent: WO 0071755-A 1 30-NOV-2000;
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Db 1 CGGCGGAGGACGGGGAG 19

RESULT 215
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DEFINITION      Sequence 5 from patent US 5985558.
ACCESSION      ARO86184
VERSION      ARO86184.1 GI:10012950
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unknown.
REFERENCE      1 (bases 1 to 20)
AUTHORS      Dean,N.M., McKay,R., Miraglia,L. and Baker,B.
TITLE      Antisense oligonucleotide compositions and methods for the
            inhibition of c-Jun and c-Fos
JOURNAL      Patent: US 5985558-A 5 16-NOV-1999;
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Best Local Similarity 100.0%; Pred. No. 4.1e+02;
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Db 16 CAGCGCGGGGGGG 3

RESULT 216
LOCUS      AR116329      20 bp      DNA      linear      PAT 16-MAY-2001
DEFINITION      Sequence 17 from patent US 6133031.
ACCESSION      AR116329
VERSION      AR116329.1 GI:14096651
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unknown.
REFERENCE      1 (bases 1 to 20)
AUTHORS      Monia,B.P. and Gaarde,W.A.
TITLE      Antisense inhibition of focal adhesion kinase expression
JOURNAL      Patent: US 6133031-A 17 17-OCT-2000;
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BASE COUNT      3 a      5 c      6 g      6 t
Query Match      0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 191 TCCTCGTGTGTGGT 204
Db 3 TCCTCGTGTGTGGT 15

RESULT 217
LOCUS      AR172916      20 bp      DNA      linear      PAT 17-DEC-2001
DEFINITION      Sequence 41 from patent US 6303374.
ACCESSION      AR172916
VERSION      AR172916.1 GI:17912407
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unknown.
REFERENCE      1 (bases 1 to 20)
AUTHORS      Zhang,H. and Cowsett,L.M.
TITLE      Antisense modulation of caspase 3 expression
JOURNAL      Patent: US 6303374-A 41 16-OCT-2001;
FEATURES
            Location/Qualifiers
            source
            1..20
            /organism="unknown"
BASE COUNT      5 a      5 c      6 g      4 t
Query Match      0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1442 GGCATCCACTGGTA 1455
Db 7 GGCATCCACTGGTA 20

RESULT 218
LOCUS      AR176750      20 bp      DNA      linear      PAT 17-DEC-2001
DEFINITION      Sequence 5 from patent US 6312900.
ACCESSION      AR176750
VERSION      AR176750.1 GI:17919105
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unknown.
REFERENCE      1 (bases 1 to 20)
AUTHORS      Dean,N.M., McKay,R., Miraglia,L. and Baker,B.
TITLE      Antisense oligonucleotide compositions and methods for the
            modulation of activating protein 1
JOURNAL      Patent: US 6312900-A 5 06-NOV-2001;
FEATURES
            Location/Qualifiers
            source
            1..20
            /organism="unknown"
BASE COUNT      1 a      12 c      5 g      2 t
Query Match      0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1351 CAGCGCGGGGGGG 1364
Db 16 CAGCGCGGGGGGG 3

RESULT 219
LOCUS      AR296674      20 bp      DNA      linear      PAT 12-JUN-2003
DEFINITION      Sequence 8409 from patent US 6537751.
ACCESSION      AR296674
VERSION      AR296674.1 GI:31683958
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unknown.
REFERENCE      1 (bases 1 to 20)
AUTHORS      Cohen,D., Chumakov,I. and Blumenfeld,M.
TITLE      Biallelic markers for use in constructing a high density
            disequilibrium map of the human genome
JOURNAL      Patent: US 6537751-A 8409 25-MAR-2003;
FEATURES
            Location/Qualifiers
            source
            1..20
            /organism="unknown"
BASE COUNT      3 a      5 c      3 g      9 t

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Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 705 TGAAGCAGAGAAC 718
|||||
Db 14 TGAAGCAGAGAAC 1

RESULT 220
AX360175 20 bp DNA linear PAT 13-FEB-2002
LOCUS
DEFINITION Sequence 131 from Patent WO0200860.
ACCESSION AX360175
VERSION AX360175.1 GI:18675742

KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1
AUTHORS Plowman,G., Whyte,D., Sudarsanam,S., Manning,G., Caenepeel,S. and Charyczak,G.
TITLE Novel proteases
JOURNAL Patent: WO 0200860-A 131 03-JAN-2002;
Sugen, Inc. (US)

FEATURES
Location/Qualifiers
source
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="SNP"

BASE COUNT 4 a 11 c 2 g 2 t 1 others
Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 87.5%; Pred. No. 4.1e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1458 CGCAGCTGCTCTACCA 1473
|||||
Db 1 CGCAGCTGCTCTACCA 16

RESULT 221
BD016571 20 bp DNA linear PAT 27-AUG-2002
LOCUS
DEFINITION Genes and proteins participating in the upstream of degradation
passage of aromatic polycyclic compound.

ACCESSION BD016571.1 GI:22557747
VERSION JP 2001245662-A/59.
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 20)
AUTHORS Saito,A., Tamatsubo,K. and Adachi,K.
TITLE Genes and proteins participating in the upstream of degradation
passage of aromatic polycyclic compound

JOURNAL Patent: JP 2001245662-A 59 11-SEP-2001;
MARINE BIOTECHNOLOGY INST CO LTD
COMMENT OS Artificial Sequence
PN JP 2001245662-A/59
PD 11-SEP-2001

PF 03-MAR-2000 JP 2000059523
PI ATSUSHI SAITO,KAZUAKI TAMATSUBO,KYOKO ADACHI
PC C12N15/09,C12N9/02,C12N15/00

CC Description of Artificial Sequence: Synthetic primer KP205. FH
Key Location/Qualifiers.

FEATURES
source
1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

BASE COUNT 5 a 5 c 9 g 1 t

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1489 CCTGCAGCGAGG 1502
|||||
Db 5 CCTGCAGCGAGG 18

RESULT 222
AR190074 17 bp DNA linear PAT 20-APR-2002
LOCUS
DEFINITION Sequence 5562 from patent US 6346398.
ACCESSION AR190074
VERSION AR190074.1 GI:20236039

KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.

REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwigen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5562 12-FEB-2002;
FEATURES Location/Qualifiers
source
1..17
/organism="unknown"

BASE COUNT 3 a 5 c 6 g 3 t

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1447 CCAGTGGTACTGCAGC 1463
|||||
Db 1 CCAGTGGTACTGCAGC 17

RESULT 223
AR285007 17 bp DNA linear PAT 10-APR-2003
LOCUS
DEFINITION Sequence 86 from patent US 6528261.
ACCESSION AR285007
VERSION AR285007.1 GI:29721913

KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.

REFERENCE 1 (bases 1 to 17)
AUTHORS De Canck,I., Mersch,G. and Rossau,R.
TITLE Method for typing of HLA alleles
JOURNAL Patent: US 6528261-A 86 04-MAR-2003;
FEATURES Location/Qualifiers
source
1..17
/organism="unknown"

BASE COUNT 3 a 5 c 6 g 3 t

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 798 AGGACCTGAGCCCGG 814
|||||
Db 1 AGGACCTGAGCTCTGG 17

RESULT 224
AR300148/c 17 bp DNA linear PAT 12-JUN-2003
LOCUS
DEFINITION Sequence 16 from patent US 6537766.
ACCESSION AR300148


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/db_xref="taxon:32630"
/note="Nucleic Acid"
1 a 9 c 7 g 0 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

BASE COUNT
QY 802 CCTGAGCCCGGGGACC 818
Db 1 CCGCGCCCGGGGACC 17

RESULT 229
AX216373/c
LOCUS AX216373 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1815 from Patent WO0159103.
ACCESSION AX216373
VERSION AX216373.1 GI:15526434
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
0 a 9 c 7 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

BASE COUNT
QY 1369 CGGGGCGCGCGCGGCA 1385
Db 17 CCGGGCGCGCGCGGCA 1

RESULT 230
AX216946/c
LOCUS AX216946 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2388 from Patent WO0159103.
ACCESSION AX216946
VERSION AX216946.1 GI:15527007
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
0 a 10 c 6 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;

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Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1370 GGGGCGCGCGCGGCGAG 1386
Db 17 GGGGCGCGCGCGGCGAG 1

RESULT 231
AX273287/c
LOCUS AX273287 17 bp mRNA linear PAT 29-OCT-2001
DEFINITION Sequence 856 from Patent WO0162911.
ACCESSION AX273287
VERSION AX273287.1 GI:16546024
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
2 a 6 c 8 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1284 CGCCCTTCGCGCTGGCG 1300
Db 17 CGCCCTTCGCGCTGGAG 1

RESULT 232
AX326057
LOCUS AX326057 17 bp DNA linear PAT 02-SEP-2002
DEFINITION Sequence 2195 from Patent WO0192512.
ACCESSION AX326057
VERSION AX326057.1 GI:18096818
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
source
1..17
/organism="Brassica rapa"
/mol_type="genomic DNA"
/db_xref="taxon:3711"
5 a 4 c 2 g 6 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1211 ATTCTCATCAACCGGT 1227
Db 1 ATTCTCATTAACCGGAT 17

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RESULT 233
AX326058/c
LOCUS AX326058 17 bp DNA linear PAT 02-SEP-2002
DEFINITION Sequence 2196 from Patent WO0192512.
ACCESSION AX326058
VERSION AX326058.1 GI:18096819
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 670 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT 6 a 2 c 4 g 5 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1211 ATTCTCATCAACCGGGT 1227
Db 17 ATTCTCATTAACCGGAT 1
RESULT 234
AX422333
LOCUS AX422333 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 669 from Patent WO0188124.
ACCESSION AX422333
VERSION AX422333.1 GI:21525715
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 669 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 9 c 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 377 CTCACCCCAATTACAA 393
Db 1 CTCACCCCAAGTACAA 17
RESULT 235
AX422334
LOCUS AX422334 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 670 from Patent WO0188124.

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ACCESSION AX422334
VERSION AX422334.1 GI:21525716
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 670 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 9 c 1 g 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 378 TCACCCCAATTACAAAC 394
Db 1 TCACCCCAAGTACAAAC 17
RESULT 236
AX422337
LOCUS AX422337 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 673 from Patent WO0188124.
ACCESSION AX422337
VERSION AX422337.1 GI:21525719
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 673 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 7 c 2 g 3 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 389 TACAACCCCGACATCAT 405
Db 1 TACAACCCCGACATCCT 17
RESULT 237
AX499047
LOCUS AX499047 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 354 from Patent EP1229046.
ACCESSION AX499047
VERSION AX499047.1 GI:23381340
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 673 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 7 c 2 g 3 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 389 TACAACCCCGACATCAT 405
Db 1 TACAACCCCGACATCCT 17
RESULT 237
AX499047
LOCUS AX499047 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 354 from Patent EP1229046.
ACCESSION AX499047
VERSION AX499047.1 GI:23381340
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 673 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 7 c 2 g 3 t
Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 389 TACAACCCCGACATCAT 405
Db 1 TACAACCCCGACATCCT 17

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REFERENCE
AUTHORS      Zhan,J.
TITLE        Human testis expressed patched like protein
JOURNAL      Patent: EP 1229046-A 354 07-AUG-2002;
              Aecmica, Inc. (US)
FEATURES
  source     1..17
             /organism="Homo sapiens"
             /mol_type="genomic DNA"
             /db_xref="taxon:9606"
BASE COUNT   1 a 8 c 6 g 2 t
Query Match  0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 636 CCGCGCTGGCGGTGGAG 652
      |||||
Db 1 CCGCGCTGGCGGTGGAG 17

RESULT 238
AX530992
LOCUS        AX530992 17 bp DNA linear PAT 22-NOV-2002
DEFINITION   Sequence 501 from Patent EP1239051.
ACCESSION    AX530992
VERSION      AX530992.1 GI:25253771
KEYWORDS     Homo sapiens (human)
ORGANISM     Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M.
TITLE        Human posh-like protein 1
JOURNAL      Patent: EP 1239051-A 501 11-SEP-2002;
              Aecmica, Inc. (US)
FEATURES
  source     1..17
             /organism="Homo sapiens"
             /mol_type="genomic DNA"
             /db_xref="taxon:9606"
BASE COUNT   2 a 4 c 10 g 1 t
Query Match  0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1418 GCTCCGGGTGGCGGGGC 1434
      |||||
Db 1 GCTCCGGGTGGCGGGGC 17

RESULT 239
AX531303/c
LOCUS        AX531303 17 bp DNA linear PAT 22-NOV-2002
DEFINITION   Sequence 812 from Patent EP1239051.
ACCESSION    AX531303
VERSION      AX531303.1 GI:25254392
KEYWORDS     Homo sapiens (human)
ORGANISM     Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M.
TITLE        Human posh-like protein 1
JOURNAL      Patent: EP 1239051-A 812 11-SEP-2002;
              Aecmica, Inc. (US)
FEATURES
  source     1..17
             /organism="Homo sapiens"
             /mol_type="genomic DNA"
             /db_xref="taxon:9606"
BASE COUNT   1 a 8 c 6 g 2 t
Query Match  0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1370 GCGGGCGGGCGGGCGAG 1386
      |||||
Db 17 GCGGGCGGGCGGGCGAG 1

RESULT 240
AX531304/c
LOCUS        AX531304 17 bp DNA linear PAT 22-NOV-2002
DEFINITION   Sequence 813 from Patent EP1239051.
ACCESSION    AX531304
VERSION      AX531304.1 GI:25254394
KEYWORDS     Homo sapiens (human)
ORGANISM     Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M.
TITLE        Human posh-like protein 1
JOURNAL      Patent: EP 1239051-A 813 11-SEP-2002;
              Aecmica, Inc. (US)
FEATURES
  source     1..17
             /organism="Homo sapiens"
             /mol_type="genomic DNA"
             /db_xref="taxon:9606"
BASE COUNT   1 a 11 c 4 g 1 t
Query Match  0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1369 CGGGGGCGGGCGGGGCA 1385
      |||||
Db 17 CGGGGGCGGGCGGGGCA 1

RESULT 241
AX531305/c
LOCUS        AX531305 17 bp DNA linear PAT 22-NOV-2002
DEFINITION   Sequence 814 from Patent EP1239051.
ACCESSION    AX531305
VERSION      AX531305.1 GI:25254396
KEYWORDS     Homo sapiens (human)
ORGANISM     Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M.
TITLE        Human posh-like protein 1
JOURNAL      Patent: EP 1239051-A 814 11-SEP-2002;
              Aecmica, Inc. (US)
FEATURES
  source     1..17
             /organism="Homo sapiens"
             /mol_type="genomic DNA"
             /db_xref="taxon:9606"
BASE COUNT   1 a 12 c 4 g 0 t
Query Match  0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1368 GCGGGCGGGCGGGCGGC 1384
      |||||
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[illegible]

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Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
  source             1..17
                    /organism="Homo sapiens"
                    /mol_type="genomic DNA"
                    /db_xref="taxon:9606"
BASE COUNT          3 a 7 c 6 g 1 t
Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 838 CCAGGCGGGCTGCT 854
|||||
Db 17 CCAGGCGGGCTGCT 1

RESULT 247
AX687668             17 bp DNA linear PAT 31-MAR-2003
LOCUS
DEFINITION           Sequence 400 from Patent EP1281758.
ACCESSION            AX687668
VERSION              AX687668.1 GI:29410364
KEYWORDS
SOURCE               Homo sapiens (human)
ORGANISM
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
  1
AUTHORS              Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE                Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
JOURNAL              mdz12
PATENT: EP 1281758-A 400 05-FEB-2003;
Aeomica, Inc. (US)
FEATURES             Location/Qualifiers
  source             1..17
                    /organism="Homo sapiens"
                    /mol_type="genomic DNA"
                    /db_xref="taxon:9606"
BASE COUNT          3 a 6 c 2 g 6 t
Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 861 ACTTCCTCACTTCTG 877
|||||
Db 1 AGTTCCTCACTATCCTG 17

RESULT 248
BD013533             17 bp DNA linear PAT 27-AUG-2002
LOCUS
DEFINITION           Diagnosis kit of tubercle bacillus.
ACCESSION            BD013533
VERSION              BD013533.1 GI:22553847
KEYWORDS              JP 2001103981-A/97.
SOURCE               Mycobacterium tuberculosis
ORGANISM
  Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
  Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
  tuberculosis complex.
  1 (bases 1 to 17)
  Suzuki,S., Nishida,M. and Takenishi,S.
AUTHORS              Diagnosis kit of tubercle bacillus
TITLE                Patent: JP 2001103981-A 97 17-APR-2001;
JOURNAL              NISSHINO IND INC,SYSTEM RESEARCH CO LTD
COMMENT              OS Mycobacterium tuberculosis
                  PN JP 2001103981-A/97
                  PD 17-APR-2001
                  PF 26-JUL-2000 JP 2000225985
                  PI SADAIKO SUZUKI,MICHIO NISHIDA,SOICHIRO TAKENISHI PC
                  C12N15/09,C12N15/09,C12M1/00,C12Q1/68/(C12Q1/68,C12R1:32), PC

(C12Q1/68,C12R1:325), (C12Q1/68,C12R1:33),C12N15/00,C12N15/00 CC
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FH key              Location/Qualifiers
FT source           1..17
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FT                 Location/Qualifiers
                    1..17
                    /organism="Mycobacterium tuberculosis"
                    /mol_type="genomic DNA"
                    /db_xref="taxon:1773"
BASE COUNT          2 a 6 c 8 g 1 t
Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1365 ACCGCGGGGGCGGC 1381
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Db 1 ACCGCATGGCGCGGC 17

RESULT 249
BD104924             17 bp DNA linear PAT 27-AUG-2002
LOCUS
DEFINITION           Kit and method for determining HLA type.
ACCESSION            BD104924
VERSION              BD104924.1 GI:22650498
KEYWORDS              WO 0192572-A/1028.
SOURCE               synthetic construct
ORGANISM
  artificial sequences.
  1 (bases 1 to 17)
AUTHORS              Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
TITLE                Nishida,M.
JOURNAL              Kit and method for determining HLA type
PATENT: WO 0192572-A 1028 06-DEC-2001;
NISSHINO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO
KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO
NISHIDA
COMMENT              OS Artificial Sequence
                  PN WO 0192572-A/1028
                  PD 06-DEC-2001
                  PF 01-JUN-2001 WO 2001JP004662
                  PR 01-JUN-2000 JP COP 164798
                  PI HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI
                  MATSUMURA,MICHIO NISHIDA
                  PC C12Q1/68,C12M1/00,C12N15/09,G01N33/53
                  CC Description of Artificial Sequence:capture
                  FH key Location/Qualifiers
                  FT source 1..17
                    /organism="Artificial Sequence".
                    Location/Qualifiers
                    1..17
                    /organism="synthetic construct"
                    /mol_type="genomic DNA"
                    /db_xref="taxon:32630"
BASE COUNT          3 a 5 c 6 g 3 t
Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 798 AGGACCTGAGCCCGGG 814
|||||
Db 1 AGGACCTGAGCTCCTGG 17

RESULT 250
BD105163
LOCUS
DEFINITION           Kit and method for determining HLA type.
ACCESSION            BD105163
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VERSION      BD105163.1  GI:22650737
KEYWORDS     WO 0192572-A/1267.
SOURCE       synthetic construct
ORGANISM     artificial sequences.
REFERENCE    1 (bases 1 to 17)
AUTHORS      Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
              Nishida,M.
TITLE        Kit and method for determining HLA type
JOURNAL      Patent: WO 0192572-A 1267 06-DEC-2001;
              MISSHINO INDUSTRIES INC.SYSTEM RESEARCH INC.HIDETOSHI INOKO, TAEKO
              KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIYA, MICHIO
              NISHIDA
COMMENT      OS Artificial Sequence
              PN WO 0192572-A/1267
              PD 06-DEC-2001
              PF 01-JUN-2001 WO 2001JP004662
              PR 01-JUN-2000 JP 00P 164798
              PI HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI
              MATSUMURA,
              SHOGO MORIYA,MICHIO NISHIDA
              PC C12Q1/68,C12M1/00,C12N15/09,G01N33/53
              CC Description of Artificial Sequence:capture
              FH Key Location/Qualifiers
              FT source 1..17
              FT Location/Qualifiers
              source 1..17
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BASE COUNT  3 a 5 c 6 g 3 t

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 798 AGGACCTGAGCCCGG 814
Db 1 AGGACCTGAGCTCTGG 17

RESULT 251
146478/c
LOCUS      146478 17 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 457 from patent US 5639612.
ACCESSION 146478
VERSION    146478.1 GI:2470443
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 17)
AUTHORS    Mitsuhashi,M. and Cooper,A.
TITLE      Method for detecting polynucleotides with immobilized
            polynucleotide probes identified based on T.sub.m
JOURNAL    Patent: US 5639612-A 457 17-JUN-1997;
FEATURES   Location/Qualifiers
            source 1..17
            /organism="unknown"
BASE COUNT 2 a 8 c 5 g 2 t

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGCGGTGGAGCCGG 657
Db 17 CTGCGGTGGAGCCGAG 1

RESULT 252
146479/c
LOCUS      146479 17 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 458 from patent US 5639612.
ACCESSION 146479
VERSION    146479.1 GI:2470444
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 17)
AUTHORS    Mitsuhashi,M. and Cooper,A.
TITLE      Method for detecting polynucleotides with immobilized
            polynucleotide probes identified based on T.sub.m
JOURNAL    Patent: US 5639612-A 458 17-JUN-1997;
FEATURES   Location/Qualifiers
            source 1..17
            /organism="unknown"
BASE COUNT 2 a 8 c 5 g 2 t

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGCGGTGGAGCCGG 657
Db 17 CTGCGGTGGAGCCGAG 1

RESULT 253
A88003
LOCUS      A88003 18 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 151 from Patent WO9833904.
ACCESSION A88003
VERSION    A88003.1 GI:6736573
KEYWORDS   .
SOURCE     unidentified
ORGANISM   unidentified
REFERENCE  1 (bases 1 to 18)
AUTHORS    Brysch,W. and Schlingensiepen,K.
TITLE      AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL    Patent: WO 9833904-A 151 06-AUG-1998;
            BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES   Location/Qualifiers
            source 1..18
            /organism="unidentified"
            /mol_type="genomic DNA"
            /db_xref="taxon:32644"
BASE COUNT 1 a 5 c 11 g 1 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 919 GACGCGGAGCGCGCG 935
Db 2 GACGCGGTGCGCGCG 18

RESULT 254
A89970
LOCUS      A89970 18 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 151 from Patent EP0856579.
ACCESSION A89970
VERSION    A89970.1 GI:6738484
KEYWORDS   .
SOURCE     unidentified
ORGANISM   unidentified
REFERENCE  1 (bases 1 to 18)
AUTHORS    Brysch,W.D. and Schlingensiepen,K.D.
TITLE      An antisense oligonucleotide preparation method
JOURNAL    Patent: EP 0856579-A 151 05-AUG-1998;
            BIOGNOSTIK GES (DE)

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LOCUS      146479 17 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 458 from patent US 5639612.
ACCESSION 146479
VERSION    146479.1 GI:2470444
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 17)
AUTHORS    Mitsuhashi,M. and Cooper,A.
TITLE      Method for detecting polynucleotides with immobilized
            polynucleotide probes identified based on T.sub.m
JOURNAL    Patent: US 5639612-A 458 17-JUN-1997;
FEATURES   Location/Qualifiers
            source 1..17
            /organism="unknown"
BASE COUNT 2 a 8 c 5 g 2 t

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGCGGTGGAGCCGG 657
Db 17 CTGCGGTGGAGCCGAG 1

RESULT 253
A88003
LOCUS      A88003 18 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 151 from Patent WO9833904.
ACCESSION A88003
VERSION    A88003.1 GI:6736573
KEYWORDS   .
SOURCE     unidentified
ORGANISM   unidentified
REFERENCE  1 (bases 1 to 18)
AUTHORS    Brysch,W. and Schlingensiepen,K.
TITLE      AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL    Patent: WO 9833904-A 151 06-AUG-1998;
            BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES   Location/Qualifiers
            source 1..18
            /organism="unidentified"
            /mol_type="genomic DNA"
            /db_xref="taxon:32644"
BASE COUNT 1 a 5 c 11 g 1 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 919 GACGCGGAGCGCGCG 935
Db 2 GACGCGGTGCGCGCG 18

RESULT 254
A89970
LOCUS      A89970 18 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 151 from Patent EP0856579.
ACCESSION A89970
VERSION    A89970.1 GI:6738484
KEYWORDS   .
SOURCE     unidentified
ORGANISM   unidentified
REFERENCE  1 (bases 1 to 18)
AUTHORS    Brysch,W.D. and Schlingensiepen,K.D.
TITLE      An antisense oligonucleotide preparation method
JOURNAL    Patent: EP 0856579-A 151 05-AUG-1998;
            BIOGNOSTIK GES (DE)

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FEATURES
source
  Location/Qualifiers
  1..18
  /organism="unidentified"
  /mol_type="genomic DNA"
  /db_xref="taxon:32644"
BASE COUNT      1 a      5 c      11 g      1 t
Query Match      0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 919 GAGCGGAGCGCGCG 935
Db 2 GAGCGGAGCGCGCG 18

RESULT 255
A94014
LOCUS      A94014      18 bp      DNA      linear      PAT 26-JAN-2000
DEFINITION Sequence 44 from Patent EP0953650.
ACCESSION  A94014
VERSION    A94014.1 GI:6778778
KEYWORDS   .
SOURCE     unidentified
ORGANISM   unidentified
REFERENCE   1 (bases 1 to 18)
AUTHORS    .
TITLE      Method for typing of HLA alleles
JOURNAL    INNOGENETICS NV (BE)
FEATURES
source
  Location/Qualifiers
  1..18
  /organism="unidentified"
  /mol_type="genomic DNA"
  /db_xref="taxon:32644"
BASE COUNT      3 a      5 c      7 g      3 t
Query Match      0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 798 AGGACCTGAGCGCGCG 814
Db 2 AGGACCTGAGCTCTGG 18

RESULT 256
AR042339
LOCUS      AR042339      18 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 1129 from patent US 5811300.
ACCESSION  AR042339
VERSION    AR042339.1 GI:5962835
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 18)
AUTHORS    Sullivan, S., Draper, K., Kisch, K., Stinchcomb, D.T. and McSwiggen, J.
TITLE      TNF- $\alpha$  ribozymes
JOURNAL    Patent: US 5811300-A 1129 22-SEP-1998;
FEATURES
source
  Location/Qualifiers
  1..18
  /organism="unknown"
  /db_xref="taxon:32644"
BASE COUNT      3 a      6 c      3 g      6 t
Query Match      0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 132 TCATCAGTTCATGGCC 148
Db 2 TCATCAGTTCATGGCC 18
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RESULT 257
AR073408
LOCUS      AR073408      18 bp      DNA      linear      PAT 28-AUG-2000
DEFINITION Sequence 48 from patent US 5951455.
ACCESSION  AR073408
VERSION    AR073408.1 GI:10000172
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 18)
AUTHORS    Cowsett, L.M.
TITLE      Antisense modulation of G-alpha-11 expression
JOURNAL    Patent: US 5951455-A 48 14-SEP-1999;
FEATURES
source
  Location/Qualifiers
  1..18
  /organism="unknown"
  /db_xref="taxon:32644"
BASE COUNT      1 a      7 c      6 g      4 t
Query Match      0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1450 CTGGTACTCGCAGCTGC 1466
Db 2 CTGGTACTCGCAGCTGC 18

RESULT 258
AR098790
LOCUS      AR098790      18 bp      DNA      linear      PAT 14-FEB-2001
DEFINITION Sequence 45 from patent US 6077672.
ACCESSION  AR098790
VERSION    AR098790.1 GI:12808556
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 18)
AUTHORS    Monia, B.P. and Cowsett, L.M.
TITLE      Antisense modulation of TRADD expression
JOURNAL    Patent: US 6077672-A 45 20-JUN-2000;
FEATURES
source
  Location/Qualifiers
  1..18
  /organism="unknown"
  /db_xref="taxon:32644"
BASE COUNT      0 a      5 c      12 g      1 t
Query Match      0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1368 GCGGGGGCGCGCGCG 1384
Db 2 GTGGCGCGCGCGCGCG 18

RESULT 259
AR187553
LOCUS      AR187553      18 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 3041 from patent US 6346398.
ACCESSION  AR187553
VERSION    AR187553.1 GI:20233518
KEYWORDS   .
SOURCE     Unknown.
ORGANISM   Unknown.
REFERENCE   1 (bases 1 to 18)
AUTHORS    Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
TITLE      Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL    Patent: US 6346398-A 3041 12-FEB-2002;
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FEATURES
  source      Location/Qualifiers
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BASE COUNT   0 a 10 c 5 g 3 t
Query Match   0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 939 GCGTCTGCTCACC GCC 955
Db 1 GCGTCTGCTCACC GCC 17

RESULT 260
LOCUS AR196702 18 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 1167 from patent US 6350934.
ACCESSION AR196702
VERSION AR196702.1 GI:20246139
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens.,
TITLE Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
JOURNAL Nucleic acid encoding delta-9 desaturase
PATENT: US 6350934-A 1167 26-FEB-2002;
FEATURES
  source      Location/Qualifiers
  1..18      /organism="unknown"
BASE COUNT   1 a 11 c 6 g 0 t
Query Match   0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGCGCGGC 1384
Db 18 GCTGCGGCGCGCGGC 2

RESULT 261
LOCUS AR208235 18 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 14 from patent US 6380170.
ACCESSION AR208235
VERSION AR208235.1 GI:21508199
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Muller,R., Liu,N., Zwicker,J. and Sedlacek,H.-H.
TITLE Nucleic acid construct for the cell cycle regulated expression of
JOURNAL structural genes
PATENT: US 6380170-A 14 30-APR-2002;
FEATURES
  source      Location/Qualifiers
  1..18      /organism="unknown"
BASE COUNT   4 a 1 c 9 g 4 t
Query Match   0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 327 GCGGAAGGTATGAAGG 343
Db 2 GCGGAAGGTATGAAGG 18

RESULT 262

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AR264376/c
LOCUS AR264376 18 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 2 from patent US 6331662.
ACCESSION AR264376
VERSION AR264376.1 GI:28076504
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Wright,D.A. and Voytas,D.F.
TITLE Plant retroelements
JOURNAL Patent: US 6331662-A 2 18-DEC-2001;
FEATURES
  source      Location/Qualifiers
  1..18      /organism="unknown"
BASE COUNT   1 a 4 c 9 g 4 t
Query Match   0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 880 CCGCAGCAGCGGCCA 896
Db 17 CCGCAGCAGCGGCCA 1

RESULT 263
LOCUS AR284966 18 bp DNA linear PAT 10-APR-2003
DEFINITION Sequence 44 from patent US 6528261.
ACCESSION AR284966
VERSION AR284966.1 GI:29721872
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS De Canck,I., Mersch,G. and Rossau,R.
TITLE Method for typing of HLA alleles
JOURNAL Patent: US 6528261-A 44 04-MAR-2003;
FEATURES
  source      Location/Qualifiers
  1..18      /organism="unknown"
BASE COUNT   3 a 5 c 7 g 3 t
Query Match   0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 798 AGGACCTGAGCGCCGG 814
Db 2 AGGACCTGAGCTCTGG 18

RESULT 264
LOCUS AX003659 18 bp DNA linear PAT 24-AUG-2000
DEFINITION Sequence 17 from patent WO927092.
ACCESSION AX003659
VERSION AX003659.1 GI:9927448
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Liu,N. and Mueller,R.
TITLE Purified transcription factor cdf-1 and its use
JOURNAL Patent: WO 9927092-A 17 03-JUN-1999;
FEATURES
  source      Location/Qualifiers
  1..18      /organism="unknown"

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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
4 a 1 c 9 g 4 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

BASE COUNT 4 a 1 c 9 g 4 t

QY 327 GCGGAGGTATGAAGG 343
Db 2 GCGGAGGTATGAAGG 18

RESULT 265
LOCUS AX003663 18 bp DNA linear PAT 24-AUG-2000
DEFINITION Sequence 21 from Patent WO9927092.
ACCESSION AX003663
VERSION AX003663.1 GI:9927452
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Liu, N. and Mueller, R.
TITLE Purified transcription factor cdf-1 and its use
JOURNAL Patent: WO 9927092-A 21 03-JUN-1999;
LIU NINGSHU (DE); MUELLER ROLF (DE)
FEATURES
source
1..18
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Mutant construct"
3 t
BASE COUNT 4 a 1 c 10 g 3 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 327 GCGGAGGTATGAAGG 343
Db 2 GCGGAGGTATGAAGG 18

RESULT 266
LOCUS AX012542 18 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 44 from Patent WO9954496.
ACCESSION AX012542
VERSION AX012542.1 GI:9998537
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS De Cancke, I., Rossau, R. and Mersch, G.
TITLE Method for typing of hla alleles
JOURNAL Patent: WO 9954496-A 44 28-OCT-1999;
CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS NV (BE); MERSCH
GUY (BE)
FEATURES
source
1..18
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
3 a 5 c 7 g 3 t
BASE COUNT 3 a 5 c 7 g 3 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 327 GCGGAGGTATGAAGG 343
Db 2 GCGGAGGTATGAAGG 18

RESULT 267
LOCUS AX111434 18 bp DNA linear PAT 29-MAY-2002
DEFINITION Sequence 2167 from Patent WO0123604.
ACCESSION AX111434
VERSION AX111434.1 GI:13927726
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Bergeron, M.G., Boissinot, M., Huletsky, A., m Nard, C., Ouellette, M.,
Picard, F.J. and Roy, P.H.
TITLE Highly conserved genes and their use to generate probes and primers
JOURNAL Patent: WO 0123604-A 2167 05-APR-2001;
Infectio Diagnostic (I.D.I.) INC. (CA)
FEATURES
source
1..18
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Oligonucleotide"
2 a 5 c 9 g 2 t
BASE COUNT 2 a 5 c 9 g 2 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 950 ACCGCCGGCACCTGCT 966
Db 18 ACCGCCGGCACCTGCT 2

RESULT 268
LOCUS AX286197 18 bp DNA linear PAT 20-NOV-2001
DEFINITION Sequence 6 from Patent WO0179273.
ACCESSION AX286197
VERSION AX286197.1 GI:17046061
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Kawaoka, Y.
TITLE Viruses comprising mutation ion channel protein
JOURNAL Patent: WO 0179273-A 6 25-OCT-2001;
WISCONSIN ALUMNI RESEARCH FOUNDATION (US); Kawaoka, Yoshihiro (US)
FEATURES
source
1..18
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="A primer"
5 a 7 c 3 g 3 t
BASE COUNT 5 a 7 c 3 g 3 t

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1447 CCACTGGTACTCGCAGC 1463
Db 2 CCAATGATACCTCGCAGC 18

RESULT 269

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AX637770
LOCUS AX637770 18 bp mRNA linear PAT 21-FEB-2003
DEFINITION Sequence 4909 from Patent EP1260586.
ACCESSION AX637770
VERSION AX637770.1 GI:28473384
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Diranzo,A.,
Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
McSwiggan,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related
genes
JOURNAL Patent: EP 1260586-A 4909 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
source
1. .18
/organism="unidentified"
/mol_type="mRNA"
/db_xref="taxon:32644"
BASE COUNT 3 a 6 c 3 g 6 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 132 TCATCAGTCCATGGGC 148
Db |||||
2 TCATCAGTCTATGGCC 18

RESULT 270
AX644831
LOCUS AX644831 18 bp DNA linear PAT 27-FEB-2003
DEFINITION Sequence 29 from Patent WO0250285.
ACCESSION AX644831
VERSION AX644831.1 GI:28610809
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
AUTHORS Cohen,D., Bhatia,U., Cai,R.L. and Fischer,D.D.
TITLE Histone deacetylase-related gene and protein
JOURNAL Patent: WO 0250285-A 29 27-JUN-2002;
FEATURES
Location/Qualifiers
source
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="HUF2A antisense primer"
BASE COUNT 6 a 4 c 7 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 422 AACACCGGAGCGGACAG 438
Db |||||
1 AACACCGGTGGGACAG 17

RESULT 271
BD065516
LOCUS BD065516 18 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065516
VERSION BD065516.1 GI:22611119
KEYWORDS
JP 2001511000-A/151.

```

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SOURCE unidentified
ORGANISM unclassified
unclassified.
REFERENCE
1 (bases 1 to 18)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 151 07-AUG-2001;
BIOSNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
OS Unknown
PN JP 2001511000-A/151
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
Location/Qualifiers
FT source
1. .18
/organism="Unknown".
FEATURES
source
1. .18
Location/Qualifiers
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 1 a 5 c 11 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 919 GACGCGGAGCGCGCG 935
Db |||||
2 GACGCGGTGCCGCG 18

RESULT 272
E06269
LOCUS E06269 18 bp DNA linear PAT 29-SEP-1997
DEFINITION Primer.
ACCESSION E06269
VERSION E06269.1 GI:2174456
KEYWORDS JP 1994000085-A/109.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1 (bases 1 to 18)
AUTHORS Seki,M., Honda,Y., Takahashi,K., Murakami,T., Teranishi,Y. and
Hayashi,N.
TITLE GENE OR DNA FRAGMENT DERIVED FROM HEPATITIS C VIRUS, POLYPEPTIDE
CODED BY THE SAME AND ITS PRODUCTION
JOURNAL Patent: JP 1994000085-A 109 11-JAN-1994;
MITSUBISHI KASEI CORP
COMMENT
OS Artificial gene
OC Artificial sequence; Genes.
PN JP 1994000085-A/109
PD 11-JAN-1994
PF 11-JUN-1992 JP 1992194497
PR 11-JUN-1991 JP 91P 139268, 12-JUL-1991 JP 91P 172794, PR
07-OCT-1991 JP 91P 287008, 16-DEC-1991 JP 91P 332329, PR
20-APR-1992 JP 92P 99957
PI SEKI MAKOTO, HONDA YOSHIKAZU, TAKAHASHI KAZUNOBU, PI
MURAKAMI TOMOKO,
PI TERANISHI YUTAKA, HAYASHI NORIO
PC C12N15/51,C07K7/06,C07K7/10,C07K13/00,C07K15/12, PC
C12N1/21,C12N5/10,
PC C12N15/11,C12N15/70,C12N15/85,C12P21/02//A61K39/00,A61K39/29,
PC C12N1/21,
PC C12R1/19, (C12N5/10,C12R1:91), (C12P21/02,C12R1:19), (C12P21/02,
PC C12R1:91),
PC C07K39/00;
CC strandedness: Single;
CC topology: Linear.
FEATURES
Location/Qualifiers

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source
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
4 t
BASE COUNT 3 a 7 c 4 g
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 120 ACAGCTCGGAAGTCATC 136
|||
Db 1 ACCGCTCGGAAGTCTTC 17

RESULT 273
E06465 E06465 18 bp DNA linear PAT 29-SEP-1997
LOCUS
DEFINITION
ACCESSION E06465
VERSION E06465.1 GI:2174652
KEYWORDS JP 199400086-A/109.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS Seki,M., Honda,Y., Takahashi,K., Murakami,T., Teranishi,Y. and
Hayashi,N.
TITLE GENE FOR DNA FRAGMENT DERIVED FROM HEPATITIS C VIRUS, POLYPEPTIDE
CODED BY THE SAME AND ITS PRODUCTION
JOURNAL Patent: JP 199400086-A 109 11-JAN-1994;
COMMENT MITSUBISHI KASEI CORP
OS Artificial gene
OC Artificial sequence; Genes.
PN JP 199400086-A/109
PD 11-JAN-1994
PF 07-OCT-1992 JP 1992293734
PR 07-OCT-1991 JP 91P 287008, 16-DEC-1991 JP 91P 332329, PR
20-APR-1992 JP 92P 99957
PI SEKI MAKOTO, HONDA YOSHIKAZU, TAKAHASHI KAZUNOSU, PI
MURAKAMI TOMOKO,
TERANISHI YUTAKA, HAYASHI NORIO
PC C12N15/51,C07K7/06,C07K7/10,C07K13/00,C12N5/10, PC
C12N15/11,
PC C12N15/85,C12P21/02//A61K39/29,(C12P21/02,C12R1:91),C07K99:00;
CC strandedness: Single;
topology: Linear.
FEATURES
source
Location/Qualifiers
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
4 t
BASE COUNT 3 a 7 c 4 g
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 120 ACAGCTCGGAAGTCATC 136
|||
Db 1 ACCGCTCGGAAGTCTTC 17

RESULT 274
I21664/c
LOCUS
DEFINITION
ACCESSION I21664
VERSION I21664.1 GI:1602018
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.

I21664 18 bp DNA linear PAT 07-OCT-1996
Sequence 56 from patent US 5523217.
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 120 ACAGCTCGGAAGTCATC 136
|||
Db 1 ACCGCTCGGAAGTCTTC 17

RESULT 275
I21665
LOCUS
DEFINITION
ACCESSION I21665
VERSION I21665.1 GI:1602019
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Lupski,J.R., Koeuth,T. and Versalovic,J.
TITLE Fingerprinting bacterial strains using repetitive DNA sequence
amplification
JOURNAL Patent: US 5523217-A 57 04-JUN-1996;
FEATURES
source
Location/Qualifiers
1. .18
/organism="unknown"
3 a 5 c 8 g 2 t
BASE COUNT 3 a 5 c 8 g 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 111 CGCAGCGGGACAGCTCG 127
|||
Db 17 CGGACTGGGACAGCTCG 1

RESULT 276
I76077/c
LOCUS
DEFINITION
ACCESSION I76077
VERSION I76077.1 GI:3012231
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Lupski,J.R., Versalovic,J. and Koeuth,T.
TITLE Fingerprinting bacterial strains using repetitive DNA sequence
amplification
JOURNAL Patent: US 5691136-A 56 25-NOV-1997;
FEATURES
source
Location/Qualifiers
1. .18
/organism="unknown"
2 a 8 c 5 g 3 t
BASE COUNT 2 a 8 c 5 g 3 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 111 CGCAGCGGGACAGCTCG 127
|||
Db 2 CGGACTGGGACAGCTCG 18

RESULT 276
I76077/c
LOCUS
DEFINITION
ACCESSION I76077
VERSION I76077.1 GI:3012231
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Lupski,J.R., Versalovic,J. and Koeuth,T.
TITLE Fingerprinting bacterial strains using repetitive DNA sequence
amplification
JOURNAL Patent: US 5691136-A 56 25-NOV-1997;
FEATURES
source
Location/Qualifiers
1. .18
/organism="unknown"
2 a 8 c 5 g 3 t
BASE COUNT 2 a 8 c 5 g 3 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 111 CGCAGCGGGACAGCTCG 127
|||
Db 2 CGGACTGGGACAGCTCG 18

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Db      17 CGGACTGGGACAGCTCG 1
|||||
RESULT 277
176078 LOCUS 18 bp DNA linear PAT 03-APR-1998
DEFINITION Sequence 57 from patent US 5691136.
ACCESSION I76078
VERSION I76078.1 GI:3012232
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 18)
AUTHORS Lupski,J.R., Versalovic,J. and Koeuth,T.
TITLE Fingerprinting bacterial strains using repetitive DNA sequence
JOURNAL Patent: US 5691136-A 57 25-NOV-1997;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 3 a 5 c 8 g 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 111 CGCAGGGGACAGCTCG 127
|||||
Db      2 CGGACTGGGACAGCTCG 18
|||||
RESULT 278
A33509/c LOCUS 19 bp DNA linear PAT 19-JUL-1996
DEFINITION Synthetic IVS-1-6 GC clamp.
ACCESSION A33509
VERSION A33509.1 GI:1567949
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE
1 (bases 1 to 19)
AUTHORS
TITLE PROCESS AND DEVICE FOR SEPARATING AND DETECTING CONSTITUENTS OF A
JOURNAL MIXTURE OF SUBSTANCES BY TEMPERATURE GRADIENT GEL ELECTROPHORESIS
FEATURES Patent: WO 9102815-A 3 07-MAR-1991;
source Location/Qualifiers
1..19
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 0 a 14 c 5 g 0 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1367 CGCGGGGGCGGGCGG 1383
|||||
Db      17 CGCGGGGGCGGGCGG 1
|||||
RESULT 279
AR020487/c LOCUS 19 bp DNA linear PAT 05-DEC-1998
DEFINITION Sequence 6 from patent US 5789168.
ACCESSION AR020487
VERSION AR020487.1 GI:3975102
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.

REFERENCE
1 (bases 1 to 19)
AUTHORS Leushner,J., Hui,M., Dunn,J.M. and Larson,M.T.
TITLE Method for amplification and sequencing of nucleic acid polymers
JOURNAL Patent: US 5789168-A 6 04-AUG-1998;
FEATURES Location/Qualifiers
source 1..19
BASE COUNT 2 a 7 c 8 g 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 579 GC CGCGCGAGTGGACATC 595
|||||
Db      18 GC CGCGCGAGTGGACACC 2
|||||
RESULT 280
AR051219/c LOCUS 19 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 6 from patent US 5830657.
ACCESSION AR051219
VERSION AR051219.1 GI:5974583
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 19)
AUTHORS Leushner,J., Hui,M., Dunn,J.M. and Larson,M.T.
TITLE Method for single-tube sequencing of nucleic acid polymers
JOURNAL Patent: US 5830657-A 6 03-NOV-1998;
FEATURES Location/Qualifiers
source 1..19
BASE COUNT 2 a 7 c 8 g 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 579 GC CGCGCGAGTGGACATC 595
|||||
Db      18 GC CGCGCGAGTGGACACC 2
|||||
RESULT 281
AR053210/c LOCUS 19 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 6 from patent US 5834189.
ACCESSION AR053210
VERSION AR053210.1 GI:5978072
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
1 (bases 1 to 19)
AUTHORS Stevens,J.K., Dunn,J.M., Leushner,J. and Green,R.J.
TITLE Method for evaluation of polymorphic genetic sequences, and the use
JOURNAL thereof in identification of HLA types
FEATURES Patent: US 5834189-A 6 10-NOV-1998;
source Location/Qualifiers
1..19
/organism="unknown"
BASE COUNT 2 a 7 c 8 g 2 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 579 GC CGCGCGAGTGGACATC 595
|||||

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18 GCCGCGCGGTGGACACC 2

Db

RESULT 282

AR069473

LOCUS

DEFINITION

Sequence 10 from patent US 5891666.

AR069473

ACCESSION

AR069473.1 GI:7220361

VERSION

Location/Qualifiers

KEYWORDS

Unknown.

SOURCE

ORGANISM

Unclassified.

REFERENCE

1 (bases 1 to 19)

AUTHORS

Matsuyama,T. and Grossman,A.

TITLE

Genes encoding LSIRF polypeptides

JOURNAL

Patent: US 5891666-A 10 06-APR-1999;

FEATURES

1..19

Location/Qualifiers

BASE COUNT

7 a 2 c 7 g 3 t

Query Match

Best Local Similarity 0.9%; Score 13.8; DB 1; Length 19;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

504 CAGGAGTGAACCTGCGG 520

Db

3 CAGAAGTGAACCTGAGG 19

RESULT 283

AR073794/c

LOCUS

DEFINITION

Sequence 5 from patent US 5952200.

AR073794

ACCESSION

AR073794.1 GI:10000554

VERSION

Location/Qualifiers

KEYWORDS

Unknown.

SOURCE

ORGANISM

Unclassified.

REFERENCE

1 (bases 1 to 19)

AUTHORS

Johnson,L.D., Nachtigal,M. and Hunt,M.

TITLE

Method of diagnosing cancer in human cells using a reverse transcriptase-polymerase chain reaction for identifying the presence of stromelysin-3

JOURNAL

Patent: US 5952200-A 5 14-SEP-1999;

FEATURES

1..19

Location/Qualifiers

BASE COUNT

4 a 6 c 4 g 5 t

Query Match

Best Local Similarity 0.9%; Score 13.8; DB 1; Length 19;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

294 TCCCAATGTGGCGGAG 310

Db

17 TTCAAATGTGGCGGAG 1

RESULT 284

AR162790

LOCUS

DEFINITION

Sequence 10 from patent US 6258935.

AR162790

ACCESSION

AR162790.1 GI:162230131

VERSION

Location/Qualifiers

KEYWORDS

Unknown.

SOURCE

ORGANISM

Unclassified.

REFERENCE

1 (bases 1 to 19)

AUTHORS

Matsuyama,T., Grossman,A. and Richardson,C.Donald.

18 GCCGCGCGGTGGACACC 2

Db

RESULT 282

AR069473

LOCUS

DEFINITION

Sequence 10 from patent US 5891666.

AR069473

ACCESSION

AR069473.1 GI:7220361

VERSION

Location/Qualifiers

KEYWORDS

Unknown.

SOURCE

ORGANISM

Unclassified.

REFERENCE

1 (bases 1 to 19)

AUTHORS

Matsuyama,T. and Grossman,A.

TITLE

Genes encoding LSIRF polypeptides

JOURNAL

Patent: US 5891666-A 10 06-APR-1999;

FEATURES

1..19

Location/Qualifiers

BASE COUNT

7 a 2 c 7 g 3 t

Query Match

Best Local Similarity 0.9%; Score 13.8; DB 1; Length 19;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

504 CAGGAGTGAACCTGCGG 520

Db

3 CAGAAGTGAACCTGAGG 19

RESULT 283

AR073794/c

LOCUS

DEFINITION

Sequence 5 from patent US 5952200.

AR073794

ACCESSION

AR073794.1 GI:10000554

VERSION

Location/Qualifiers

KEYWORDS

Unknown.

SOURCE

ORGANISM

Unclassified.

REFERENCE

1 (bases 1 to 19)

AUTHORS

Johnson,L.D., Nachtigal,M. and Hunt,M.

TITLE

Method of diagnosing cancer in human cells using a reverse transcriptase-polymerase chain reaction for identifying the presence of stromelysin-3

JOURNAL

Patent: US 5952200-A 5 14-SEP-1999;

FEATURES

1..19

Location/Qualifiers

BASE COUNT

4 a 6 c 4 g 5 t

Query Match

Best Local Similarity 0.9%; Score 13.8; DB 1; Length 19;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY

294 TCCCAATGTGGCGGAG 310

Db

17 TTCAAATGTGGCGGAG 1

RESULT 284

AR162790

LOCUS

DEFINITION

Sequence 10 from patent US 6258935.

AR162790

ACCESSION

AR162790.1 GI:162230131

VERSION

Location/Qualifiers

KEYWORDS

Unknown.

SOURCE

ORGANISM

Unclassified.

REFERENCE

1 (bases 1 to 19)

AUTHORS

Matsuyama,T., Grossman,A. and Richardson,C.Donald.

```

QY 344 AAGATCTCAGAAACTC 360
Db 3 AAGATCTCAGAAATTC 19

RESULT 287
LOCUS AX132668 19 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 3886 from Patent WO0130362.
ACCESSION AX132668
VERSION AX132668.1 GI:14138973
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE
AUTHORS Robbins,J.M. and Fritz,R.
TITLE Ribozyme therapy for the treatment of proliferative skin and eye diseases
JOURNAL Patent: WO 0130362-A 3886 03-MAY-2001;
IMMUSOL, INC. (US)
FEATURES
source
1..19
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/note="PCNA HH ribozyme binding site"
BASE COUNT 4 a 3 g 4 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1201 CCAGGCGCACCATTCTCA 1217
Db 2 CCAGGCGCTCCATCTCA 18

RESULT 288
AX398139/c
LOCUS AX398139 19 bp DNA linear PAT 27-MAY-2002
DEFINITION Sequence 16 from Patent WO0220837.
ACCESSION AX398139
VERSION AX398139.1 GI:21260954
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE
1 Ronaghi,M., Ekstrom,B. and Pourmand,N.
AUTHORS Method
TITLE Pyrosequencing AB (SE) ; The Board of Trustees of The Leland
JOURNAL Stanford Junior University (US)
LOCATION/Qualifiers
1..19
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="PCR primer - Eu6 (1)"
BASE COUNT 2 a 8 c 4 g 5 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 766 GCACCTGGAGCAGCGCG 782
Db 19 GTACCTGGAGCAGCGCG 3

RESULT 289
AX643372/c
LOCUS AX643372 19 bp DNA linear PAT 24-FEB-2003
DEFINITION Sequence 238 from Patent WO0209099.
ACCESSION AX643372
VERSION AX643372.1 GI:28551015
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE
1 Penger,A., Sprenger,R. and Brinkmann,U.
AUTHORS Polymorphisms in the human gene for cytochrome p450 polypeptide 2c8
TITLE and their use in diagnostic and therapeutic applications
JOURNAL Patent: WO 0209099-A 238 12-DEC-2002;
Epidauros Biotechnologie AG (DE)
FEATURES
source
1..19
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 1 a 6 c 3 g 9 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 419 GAAACACCGGACGGCA 435
Db 18 GAAACACCGGACGAGA 2

RESULT 290
AX643375
LOCUS AX643375 19 bp DNA linear PAT 24-FEB-2003
DEFINITION Sequence 241 from Patent WO0209099.
ACCESSION AX643375
VERSION AX643375.1 GI:28551019
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE
1 Penger,A., Sprenger,R. and Brinkmann,U.
AUTHORS Polymorphisms in the human gene for cytochrome p450 polypeptide 2c8
TITLE and their use in diagnostic and therapeutic applications
JOURNAL Patent: WO 0209099-A 241 12-DEC-2002;
Epidauros Biotechnologie AG (DE)
FEATURES
source
1..19
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 9 a 3 c 6 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 419 GAAACACCGGACGGCA 435
Db 2 GAAACACCGGACGAGA 18

RESULT 291
E21863
LOCUS E21863 19 bp DNA linear PAT 18-JUN-2001
DEFINITION Novel acidophil serine protease.
ACCESSION E21863
VERSION E21863.1 GI:13023734
KEYWORDS JP 199032768-A/15.
SOURCE unidentified
ORGANISM unidentified
unclassified.

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```

REFERENCE 1 (bases 1 to 19)
AUTHORS Hiroshi K. and Masahiro I.
TITLE Novel acidophilic serine protease
JOURNAL Patent: JP 1999032768-A 15 09-FEB-1999;
ONO PHARMACEUT CO LTD
COMMENT OS Unidentified
PN JP 1999032768-A/15
PD 09-FEB-1999
PF 16-JUL-1997 JP 1997191319
PR
PI HIROSHI KIDO, MASAHIRO INOUE
PC C12N15/09, A61K38/55, A61K39/395, A61K48/00, C07K7/00,
C07K16/40,
PC C12N9/64, C12N15/00, A61K37/64, A61K37/64
CC Strandedness: Single;
CC Topology: Linear;
FH Key Location/Qualifiers
FT source 1..19
FT /organism='Unidentified'.
FEATURES
source Location/Qualifiers
1..19
/mol_type='genomic DNA'
/db_xref='taxon:32644'
BASE COUNT 3 a 5 c 10 g 1 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1166 GAGGAGCGCGCGCGC 1182
Db
RESULT 292
E30322 19 bp DNA linear PAT 18-JUN-2001
LOCUS
DEFINITION Gene participating in flower formation of plant.
ACCESSION E30322
VERSION E30322.1 GI:13017068
KEYWORDS JP 1999318462-A/9.
SOURCE unclassified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 19)
AUTHORS Shinichiro, S. and Kiyotaka, O.
TITLE Gene participating in flower formation of plant
JOURNAL Patent: JP 1999318462-A 9 24-NOV-1999;
COMMENT MITSUI GIYOUSAI SHOKUBUTSU BIO KENKYUSHO
OS Unidentified
PN JP 1999318462-A/9
PD 24-NOV-1999
PF 15-MAY-1998 JP 1998134095
PR SHINICHIRO SAWA, KIYOTAKA OKADA
PC C12N15/09, A01H5/00, C07K14/415, C07K16/16, C12N1/21, C12N5/10, PC
C12P21/02,
PC C12P21/08, G01N33/53// (C12N1/21, C12R1/19), (C12N5/10, C12R1/91),
PC (C12P21/02, C12R1/91), C12N15/00, C12N5/00, (C12N5/00, C12R1/91) CC
Strandedness: Single;
CC Topology: Linear;
FH Key Location/Qualifiers
FT source 1..19
FT /organism='Unidentified'.
FEATURES
source Location/Qualifiers
1..19
/mol_type='genomic DNA'
/db_xref='taxon:32644'
BASE COUNT 8 a 5 c 2 g 4 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;

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Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 682 CAAGCACATATCAACT 698
Db 1 CAAGCACATATCAACT 17
RESULT 293
I88034/c 19 bp DNA linear PAT 10-AUG-1998
LOCUS
DEFINITION Sequence 12 from patent US 5716846.
ACCESSION I88034
VERSION I88034.1 GI:3407974
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 19)
AUTHORS Brown, S. Joel., Dattagupta, N. and Naidu, Y. M.
TITLE Method for inhibiting cellular proliferation using antisense
oligonucleotides to interleukin-6 receptor mRNA
JOURNAL Patent: US 5716846-A 12 10-FEB-1998;
FEATURES Location/Qualifiers
source 1..19
/organism='unknown'
BASE COUNT 4 a 7 c 8 g 0 t
Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 4.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1303 CGCGCTCTGCTGCAC 1319
Db 17 CGCGCTCTGCTGCC 1
RESULT 294
I84406/c 33 bp DNA linear PAT 04-APR-1998
LOCUS
DEFINITION Sequence 7 from patent US 5695933.
ACCESSION I84406
VERSION I84406.1 GI:3021926
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 33)
AUTHORS Schalling, M., Hudson, T. J. and Housman, D. E.
TITLE Direct detection of expanded nucleotide repeats in the human genome
JOURNAL Patent: US 5695933-A 7 09-DEC-1997;
FEATURES Location/Qualifiers
source 1..33
/organism='unknown'
BASE COUNT 0 a 11 c 22 g 0 t
Query Match 0.9%; Score 13.8; DB 1; Length 33;
Best Local Similarity 63.6%; Pred. No. 4.6e+02;
Matches 21; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 1410 CTGCGGAGCTCCGGGTGCGGGGGCCACCGCGG 1442
Db 33 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1
RESULT 295
AX146617 43 bp DNA linear PAT 31-MAY-2001
LOCUS
DEFINITION Sequence 79 from Patent WO0134654.
ACCESSION AX146617
VERSION AX146617.1 GI:14285010
KEYWORDS Homo sapiens (human)
SOURCE

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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 79 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES
source
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 8 a 10 c 14 g 11 t
Query Match 0.9%; Score 13.8; DB 1; Length 43;
Best Local Similarity 58.5%; Pred. No. 4.5e+02;
Matches 24; Conservative 0; Mismatches 17; Indels 0; Gaps 0;
QY 124 CTCGGAATCATCACTTCATCGGGGAGATGCTGCTGCTGG 164
DB 1 CTAGGGTCTTCGCGCCACATTCGGGAGAACTGCTTGTAG 41
RESULT 296
LOCUS AR139321 20 bp DNA linear PAT 16-JUN-2001
DEFINITION Sequence 29 from patent US 6207372.
ACCESSION AR139321
VERSION AR139321.1 GI:14481817
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE
AUTHORS Shuber, A.P.
TITLE Universal primer sequence for multiplex DNA amplification
JOURNAL Patent: US 6207372-A 29 27-MAR-2001;
FEATURES
source
1..20
/organism="unknown"
BASE COUNT 0 a 9 c 11 g 0 t
Query Match 0.9%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 4.6e+02;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1351 CAGCGCGCGCGGGGACCGCG 1370
DB 20 CCGCGCGCGCGGGCGCGCGCG 1
RESULT 297
LOCUS AX146612 45 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 74 from Patent WO0134654.
ACCESSION AX146612
VERSION AX146612.1 GI:14285005
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS Strauch, K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 74 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES
source
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

BASE COUNT 12 a 14 c 10 g 9 t
Query Match 0.9%; Score 13.6; DB 1; Length 45;
Best Local Similarity 67.9%; Pred. No. 4.6e+02;
Matches 19; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 1432 GGCACCGCGGGCATCCATCGTACTCG 1459
DB 36 GGCACCTTGGGATAAACTGCTTGTAG 9
RESULT 298
LOCUS A88145 15 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 293 from Patent WO9833904.
ACCESSION A88145
VERSION A88145.1 GI:6736715
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 15)
AUTHORS Brysch, W. and Schlingensiefen, K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 293 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 0 a 3 c 11 g 1 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGCGCGC 1384
DB 1 GGGGGTGGCGCGCGC 15
RESULT 299
LOCUS A90112 15 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 293 from Patent EP0858579.
ACCESSION A90112
VERSION A90112.1 GI:6738626
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 15)
AUTHORS Brysch, W.D. and Schlingensiefen, K.D.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: EP 0858579-A 293 05-AUG-1998;
BIOGNOSTIK GES (DE)
FEATURES
source
1..15
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 0 a 3 c 11 g 1 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGCGCGC 1384
DB 1 GGGGGTGGCGCGCGC 15

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RESULT 300
AR084532
LOCUS
DEFINITION Sequence 21 from patent US 5981185.
ACCESSION AR084532
VERSION AR084532.1 GI:10011303
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Matson,R.S., Coassin,P.J., Rampal,J.B. and Caskey,C.Thomas.
TITLE Oligonucleotide repeat arrays
JOURNAL Patent: US 5981185-A 21 09-NOV-1999;
FEATURES
source
BASE COUNT 0 a 5 c 10 g 0 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1370 GGGCGCGCGCGCGC 1384
Db 1 GCGCGCGCGCGCGC 15

RESULT 301
AR131624
LOCUS
DEFINITION Sequence 49 from patent US 6194150.
ACCESSION AR131624
VERSION AR131624.1 GI:14120527
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 49 27-FEB-2001;
FEATURES
source
BASE COUNT 2 a 3 c 5 g 5 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 899 AAGCTCTTCTACGTG 913
Db 1 AGGCTCTTCTACGTG 15

RESULT 302
AR131626
LOCUS
DEFINITION Sequence 51 from patent US 6194150.
ACCESSION AR131626
VERSION AR131626.1 GI:14120529
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb,D.T., Jarvis,T. and McSwiggen,J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 51 27-FEB-2001;
FEATURES
source
BASE COUNT 0 a 5 c 10 g 0 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 902 GTCTTCTACGTGATC 916
Db 1 GTCTTCTACGTGAGC 15

RESULT 303
AR278935
LOCUS
DEFINITION Sequence 13 from patent US 6514693.
ACCESSION AR278935
VERSION AR278935.1 GI:29713578
KEYWORDS
SOURCE
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Lansdorp,P.
TITLE Method for detecting multiple copies of a repeat sequence in a nucleic acid molecule
JOURNAL Patent: US 6514693-A 13 04-FEB-2003;
FEATURES
source
BASE COUNT 0 a 5 c 10 g 0 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1370 GGGCGCGCGCGCGC 1384
Db 1 GCGCGCGCGCGCGC 15

RESULT 304
AX007909
LOCUS
DEFINITION Sequence 451 from Patent WO9967428.
ACCESSION AX007909
VERSION AX007909.1 GI:9995606
KEYWORDS
SOURCE
ORGANISM Aids-associated retrovirus
Aids-associated retrovirus
Viruses; Retroid viruses; Retroviridae.
REFERENCE 1
AUTHORS Stuyver,L.
TITLE Method for detection of drug-selected mutations in the hiv protease gene
JOURNAL Patent: WO 9967428-A 451 29-DEC-1999;
FEATURES
source
BASE COUNT 4 a 3 c 4 g 4 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 440 CTGATGACTCAGAGG 454
Db 1 CTGATGACTCAGATG 15

RESULT 305

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AX328777
LOCUS AX328777 15 bp DNA linear PAT 08-JAN-2002
DEFINITION Sequence 274 from Patent EP1164203.
ACCESSION AX328777
VERSION AX328777.1 GI:18101976
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1
AUTHORS Koester,H., Little,D.P., Braun,A., Jurinke,C., van den Boom,D.,
Xiang,G., Lough,D.M., Ruppert,A. and Hillenkamp,F.
TITLE Dna diagnostics based on mass spectrometry
JOURNAL Patent: EP 1164203-A 274 19-DEC-2001;
SEQUENOM, INC. (US)
FEATURES
source
1..15
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 3 a 6 c 3 g 3 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1480 CACCTGGCTCCTCGGA 1494
|||||
DB 1 CACCTGACTCCTCGGA 15

RESULT 306
LOCUS BD065658 15 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065658
VERSION BD065658.1 GI:22611261
KEYWORDS JP 2001511000-A/293.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 15)
AUTHORS Schlengensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 293 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
PN JP 2001511000-A/293
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
LOCATION/Qualifiers
FT source
1..15
Location/Qualifiers
1..15
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1..15
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 0 a 3 c 11 g 1 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGGCGC 1384
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DB 1 GGGGGTGGGCGGCGC 15

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RESULT 307
LOCUS BD132342 15 bp DNA linear PAT 18-SEP-2002
DEFINITION Dna diagnosis method based on mass spectrometry.
ACCESSION BD132342
VERSION BD132342.1 GI:23227287
KEYWORDS JP 2002507883-A/274.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Koester,H., Little,D.P., Braun,A., Lough,D.M., Xiang,G.,
Boom,D.V.D., Jurinke,C. and Rupert,A.
TITLE Dna diagnosis method based on mass spectrometry
JOURNAL Patent: JP 2002507883-A 274 12-MAR-2002;
SEQUENOM INC
COMMENT
PN JP 2002507883-A/274
PD 12-MAR-2002
PF 06-NOV-1997 JP 1998521832
PR 06-NOV-1996 US 08/74481,06-NOV-1996 US 08/746036 PR
06-NOV-1996 US 08/746055,06-NOV-1996 US 08/744590 PR
23-JAN-1998 US 08/786988,23-JAN-1997 US 08/787639 PR
19-SEP-1997 US 08/933792,08-OCT-1997 US 08/947801 PI HUBERT
KOSTER,DANIEL P LITTLE,ANDREAS BRAUN,DAVID M LOUGH, PI GUOSING
XIANG,
PI DIRK VAN DEN BOOM,CHRISTIAN JURINKE,ANDREAS RUPERT PC
C12Q1/68,C07H21/00,C07F9/24
CC Strandedness: Single;
CC Topology: Unknown;
PH Key Location/Qualifiers.
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 3 a 6 c 3 g 3 t
Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1480 CACCTGGCTCCTCGGA 1494
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DB 1 CACCTGACTCCTCGGA 15

RESULT 308
LOCUS AR050989 16 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 58 from patent US 5830644.
ACCESSION AR050989
VERSION AR050989.1 GI:5974353
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 16)
AUTHORS West,M.D., Shay,J. and Wright,W.E.
TITLE Method for screening for agents which increase telomerase activity
JOURNAL Patent: US 5830644-A 58 03-NOV-1998;
LOCATION/Qualifiers
source
1..16
/organism="unknown"
BASE COUNT 0 a 0 c 9 g 7 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 72 CACACGCACACACCC 86
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DB 16 CACACGCACACACCC 2

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RESULT 309
LOCUS AR204607/c 16 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 57 from patent US 6368789.
ACCESSION AR204607
VERSION AR204607.1 GI:21501976
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 16)
AUTHORS West,M.D., Shay,J., Wright,W. and Blackburn,E.H.
TITLE Screening methods to identify inhibitors of telomerase activity
JOURNAL Patent: US 6368789-A 57 09-APR-2002;
FEATURES
source
Location/Qualifiers
1..16
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 4 a 7 c 3 g 2 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 138 GTTCATGGCGGAGA 152
Db |||||
15 GTTCATGGCGGGA 1

RESULT 312
LOCUS I51790 16 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 58 from patent US 5645986.
ACCESSION I51790
VERSION I51790.1 GI:2472991
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 16)
AUTHORS West,M.D., Harley,C.B., Strahl,C.M., McEachern,M.J., Shay,J.,
Wright,W.E., Blackburn,E.H. and Vaziri,H.
TITLE Therapy and diagnosis of conditions related to telomere length
and/or telomerase activity
JOURNAL Patent: US 5645986-A 58 08-JUL-1997;
FEATURES
source
Location/Qualifiers
1..16
/organism="unknown"
BASE COUNT 0 a 0 c 9 g 7 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 72 CACAGGCACACCC 86
Db |||||
16 CACACACACACCC 2

RESULT 310
LOCUS AR307317/c 16 bp DNA linear PAT 12-JUN-2003
DEFINITION Sequence 80 from patent US 6551774.
ACCESSION AR307317
VERSION AR307317.1 GI:31697844
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 16)
AUTHORS West,M.D., Harley,C.B., Weinrich,S.L., Strahl,C.M., McEachern,M.J.,
Shay,J., Wright,W.E., Blackburn,E.H., Kim,N.W. and Vaziri,H.
TITLE Diagnostic methods for conditions associated with elevated cellular
levels of telomerase activity
JOURNAL Patent: US 6551774-A 80 22-APR-2003;
FEATURES
source
Location/Qualifiers
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/organism="unknown"
BASE COUNT 0 a 0 c 9 g 7 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 72 CACAGGCACACCC 86
Db |||||
16 CACACACACACCC 2

RESULT 311
LOCUS AX696120/c 16 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 19 from Patent WO03008640.
ACCESSION AX696120
VERSION AX696120.1 GI:29419280
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
REFERENCE 1
AUTHORS Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Whittaker,P.A., Meyers,D.A., Postma,D.S. and Bleecker,E.R.

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TITLE Asthma-associated gene
JOURNAL Patent: WO 03008640-A 19 30-JAN-2003;
Novartis AG (CH); Novartis Pharma GmbH (AT); Wake Forest
University Health Sciences (US); Rijksuniversiteit te Groningen
(NL)
FEATURES
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Location/Qualifiers
1..16
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 4 a 7 c 3 g 2 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 138 GTTCATGGCGGAGA 152
Db |||||
15 GTTCATGGCGGGA 1

RESULT 313
LOCUS I84399 16 bp DNA linear PAT 04-APR-1998
DEFINITION Sequence 57 from patent US 5695932.
ACCESSION I84399
VERSION I84399.1 GI:3021919
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 16)
AUTHORS West,M.D., Shay,J., Wright,W., Blackburn,E.H. and McEachern,M.J.
TITLE Telomerase activity assays for diagnosing pathogenic infections
JOURNAL Patent: US 5695932-A 57 09-DEC-1997;
FEATURES
source
Location/Qualifiers
1..16
/organism="unknown"
BASE COUNT 0 a 0 c 9 g 7 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 72 CACAGGCACACCC 86
Db |||||
16 CACACACACACCC 2

RESULT 314
LOCUS I84399 16 bp DNA linear PAT 04-APR-1998
DEFINITION Sequence 57 from patent US 5695932.
ACCESSION I84399
VERSION I84399.1 GI:3021919
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 16)
AUTHORS West,M.D., Shay,J., Wright,W., Blackburn,E.H. and McEachern,M.J.
TITLE Telomerase activity assays for diagnosing pathogenic infections
JOURNAL Patent: US 5695932-A 57 09-DEC-1997;
FEATURES
source
Location/Qualifiers
1..16
/organism="unknown"
BASE COUNT 0 a 0 c 9 g 7 t
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 72 CACAGGCACACCC 86
Db |||||
16 CACACACACACCC 2

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QY 72 CACACGACACACCC 86
Db 16 CACACACACACACCC 2

RESULT 314
AR112330/C
LOCUS AR112330 17 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 10 from patent US 6130047.
ACCESSION AR112330
VERSION AR112330.1 GI:114092230
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Nadeau,J.G., Hsieh,H.V., Pitner,J.Bruce. and Linn,C.Preston.
TITLE Detection of nucleic acids by fluorescence quenching
JOURNAL Patent: US 6130047-A 10 10-OCT-2000;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
BASE COUNT 0 a 11 c 2 g 4 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 23 GAGCGAGCGGCGAG 37
Db 16 GAGCGAGCGGAG 2

RESULT 315
AR164080/C
LOCUS AR164080 17 bp DNA linear PAT 17-OCT-2001
DEFINITION Sequence 3 from patent US 6271210.
ACCESSION AR164080
VERSION AR164080.1 GI:16235018
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Sivaraman,V.S., Wang,H.-Y. and Malbon,C.C.
TITLE Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for cancer
JOURNAL Patent: US 6271210-A 3 07-AUG-2001;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
BASE COUNT 1 a 10 c 5 g 1 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GGGGGCGGGCGGC 1384
Db 15 GGGGGCGGGCGGC 1

RESULT 316
AR164081/C
LOCUS AR164081 17 bp DNA linear PAT 17-OCT-2001
DEFINITION Sequence 4 from patent US 6271210.
ACCESSION AR164081
VERSION AR164081.1 GI:16235020
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Sivaraman,V.S., Wang,H.-Y. and Malbon,C.C.
TITLE Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for cancer
JOURNAL Patent: US 6271210-A 3 07-AUG-2001;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
BASE COUNT 1 a 10 c 5 g 1 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GGGGGCGGGCGGC 1384
Db 15 GGGGGCGGGCGGC 1

RESULT 317
AR286066
LOCUS AR286066 17 bp RNA linear PAT 10-APR-2003
DEFINITION Sequence 438 from patent US 6528640.
ACCESSION AR286066
VERSION AR286066.1 GI:29723662
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE Synthetic ribonucleic acids with RNase activity
JOURNAL Patent: US 6528640-A 438 04-MAR-2003;
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="unknown"
BASE COUNT 2 a 5 c 6 g 4 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 759 CCACGGTGCACCTGG 773
Db 2 CCACGGTGCAGCTGG 16

RESULT 318
AX007921
LOCUS AX007921 17 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 463 from Patent WO9967428.
ACCESSION AX007921
VERSION AX007921.1 GI:9995618
KEYWORDS
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
REFERENCE 1
AUTHORS Viruses; Retroid viruses; Retroviridae.
TITLE Stuyver,L.
JOURNAL Method for detection of drug-selected mutations in the hiv protease
gene
FEATURES
    Location/Qualifiers
    source 1..17
    /organism="Aids-associated retrovirus"
    /mol_type="genomic DNA"
    /db_xref="taxon:11966"
BASE COUNT 5 a 3 c 4 g 5 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;

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Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 440 CTGATGACTCAGG 454
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 Db 3 CTGATGACTCAGATG 17

RESULT 319
 AX215376/c
 LOCUS AX215376 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 818 from Patent WO0159103.
 ACCESSION AX215376
 VERSION AX215376.1 GI:15525419
 KEYWORDS
 SOURCE
 ORGANISM

synthetic construct
 synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 818 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES
 source
 1..17
 /organism="synthetic construct"
 /mol_type="mRNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"
 BASE COUNT 1 a 9 c 5 g 2 t

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1043 GCATGGGCGCTCGG 1057
 |||||
 Db 16 GCATGGGCGCGGG 2

RESULT 320
 AX215397/c
 LOCUS AX215397 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 839 from Patent WO0159103.
 ACCESSION AX215397
 VERSION AX215397.1 GI:15525440
 KEYWORDS
 SOURCE
 ORGANISM

synthetic construct
 synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 839 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES
 source
 1..17
 /organism="synthetic construct"
 /mol_type="mRNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"
 BASE COUNT 0 a 10 c 6 g 1 t

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1371 GGGCGCGCGCGGCA 1385
 |||||
 Db 17 GGGCGCGCGCGGCA 3

RESULT 321
 AX216951/c
 LOCUS AX216951 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 2393 from Patent WO0159103.
 ACCESSION AX216951
 VERSION AX216951.1 GI:15527012
 KEYWORDS
 SOURCE
 ORGANISM

synthetic construct
 synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 2393 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES
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 /organism="synthetic construct"
 /mol_type="mRNA"
 /db_xref="taxon:32630"
 /note="Nucleic Acid"
 BASE COUNT 0 a 9 c 7 g 1 t

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1371 GGGCGCGCGCGGCA 1385
 |||||
 Db 16 GGGCGCGCGCGGCA 2

RESULT 322
 AX226812/c
 LOCUS AX226812 17 bp mRNA linear PAT 10-SEP-2001
 DEFINITION Sequence 184 from Patent WO0157206.
 ACCESSION AX226812
 VERSION AX226812.1 GI:15555953
 KEYWORDS
 SOURCE
 ORGANISM

synthetic construct
 synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Fattaey, A.R., Jarvis, T., McSwiggen, J., Bocher, R.N. and Holman, P.S.
 TITLE Method and reagent for the inhibition of checkpoint kinase-1 (chk
 JOURNAL 1) enzyme
 Patent: WO 0157206-A 184 09-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Fattaey, Ali R. (US)

FEATURES
 source
 1..17
 /organism="synthetic construct"
 /mol_type="mRNA"
 /db_xref="taxon:32630"
 BASE COUNT 4 a 4 c 4 g 5 t

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 261 AAAAGCTGACCCCTT 275
 |||||
 Db 16 AAAAGCTGATCCCTT 2

RESULT 323
 AX227179/c
 LOCUS AX227179 17 bp mRNA linear PAT 10-SEP-2001
 DEFINITION Sequence 551 from Patent WO0157206.
 ACCESSION AX227179

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VERSION      AX227179.1  GI:15556320
KEYWORDS     synthetic construct
SOURCE       synthetic construct
ORGANISM     artificial sequences.
REFERENCE    1
AUTHORS      Fattaey,A.R., Jarvis,T., Meswigen,J., Boehr,R.N. and Holman,P.S.
TITLE        Method and reagent for the inhibition of checkpoint kinase-1 (chk
JOURNAL      Patent: WO 0157206-A 551 09-AUG-2001;
FEATURES     RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
SOURCE       Location/Qualifiers
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
BASE COUNT  4 a 4 c 4 g 5 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 261 AAAAGCTGACCCCTT 275
Db 15 AAAAGCTGATCCCTT 1
RESULT 324
AX273063/c
LOCUS       AX273063          17 bp  mRNA          linear          PAT 29-OCT-2001
DEFINITION Sequence 632 from Patent WO0162911.
ACCESSION  AX273063
VERSION     AX273063.1  GI:16545800
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Jarvis,T., von Carlowitz,I., Meswigen,J.A., Hamblin,P.A. and
           Ellis,J.H.
TITLE      Method and reagent for the inhibition of grid
JOURNAL    Patent: WO 0162911-A 632 30-AUG-2001;
           RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES   Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT  3 a 5 c 8 g 1 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1284 CGCCCTTCGCCTGG 1298
Db 16 CGCCCTGCGCCTGG 2
RESULT 325
AX398152/c
LOCUS       AX398152          17 bp  DNA          linear          PAT 27-MAY-2002
DEFINITION Sequence 29 from Patent WO0220837.
ACCESSION  AX398152
VERSION     AX398152.1  GI:21260967
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Ronaghi,M., Ekstroem,B. and Pourmand,N.
TITLE      Method

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JOURNAL      Patent: WO 0220837-A 29 14-MAR-2002;
           Pyrosequencing AB (SE) ; The Board of Trustees of The Leland
           Stanford Junior University (US)
FEATURES     Location/Qualifiers
1..17
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="Sequencing primer - A063FS"
BASE COUNT  1 a 7 c 4 g 5 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 768 ACCTGGAGCAGGCGC 782
Db 17 ACCTGGAGCAGAGCG 3
RESULT 326
AX422879
LOCUS       AX422879          17 bp  mRNA          linear          PAT 18-JUN-2002
DEFINITION Sequence 1215 from Patent WO0188124.
ACCESSION  AX422879
VERSION     AX422879.1  GI:21526261
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Jarvis,T., von Carlowitz,I., Meswigen,J.A., McLaughlin,F.G. and
           Randi,A.M.
TITLE      Method and reagent for the inhibition of erg
JOURNAL    Patent: WO 0188124-A 1215 22-NOV-2001;
           RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES   Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT  5 a 7 c 3 g 2 t
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 389 TACAACCCCGACATC 403
Db 3 TACAACCCCGACATC 17
RESULT 327
AX422915
LOCUS       AX422915          17 bp  mRNA          linear          PAT 18-JUN-2002
DEFINITION Sequence 1251 from Patent WO0188124.
ACCESSION  AX422915
VERSION     AX422915.1  GI:21526297
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Jarvis,T., von Carlowitz,I., Meswigen,J.A., McLaughlin,F.G. and
           Randi,A.M.
TITLE      Method and reagent for the inhibition of erg
JOURNAL    Patent: WO 0188124-A 1251 22-NOV-2001;
           RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES   Location/Qualifiers
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/organism="Homo sapiens"

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/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT      1 a      8 c      4 g      4 t
Query Match      0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 968 TTGTGGCGCGGCAC 982
Db 1 TTGTGGCGCGGCAC 15

RESULT 328
AX423599
LOCUS      17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 1935 from Patent WO018124.
ACCESSION AX423599
VERSION AX423599.1 GI:21526981
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Mclaughlin,F.G. and
TITLE Randi,A.M.
JOURNAL Method and reagent for the inhibition of erg
PATENT: WO 018124-A 1935 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
source
1. 17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT      3 a      6 c      4 g      4 t
Query Match      0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 967 CTGTGGCGCGGCA 981
Db 3 CTGTGGCGCGGCA 17

RESULT 329
AX498855
LOCUS      17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 162 from Patent EP1229046.
ACCESSION AX498855
VERSION AX498855.1 GI:23381148
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 162 07-AUG-2002;
Aeomica, Inc. (US)
FEATURES
source
1. 17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      7 c      6 g      2 t
Query Match      0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 966 GACTCGGCACCGGG 1000
Db 3 GACTCGGCACCGGG 17

RESULT 330
AX498856
LOCUS      17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 163 from Patent EP1229046.
ACCESSION AX498856
VERSION AX498856.1 GI:23381149
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 163 07-AUG-2002;
Aeomica, Inc. (US)
FEATURES
source
1. 17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      7 c      6 g      2 t
Query Match      0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 986 GACTCGGCACCGGG 1000
Db 2 GACTCGGCACCGGG 16

RESULT 331
AX498857
LOCUS      17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 164 from Patent EP1229046.
ACCESSION AX498857
VERSION AX498857.1 GI:23381150
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Zhan,J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 164 07-AUG-2002;
Aeomica, Inc. (US)
FEATURES
source
1. 17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      8 c      5 g      2 t
Query Match      0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 986 GACTCGGCACCGGG 1000
Db 1 GACTCGGCACCGGG 15

RESULT 332
AX687669
LOCUS      17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 401 from Patent EP1281758.

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ACCESSION AX687669
 VERSION AX687669.1 GI:29410365
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 401 05-FEB-2003;
 Aeomica, Inc. (US)
 FEATURES
 source 1..17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 BASE COUNT 2 a 7 c 2 g 5 t
 Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 863 TTCTCCTCATTCTCTG 877
 Db 2 TTCTCCTCATTCTCTG 16
 RESULT 333
 AX687670 17 bp DNA linear PAT 31-MAR-2003
 LOCUS Sequence 402 from Patent EP1281758.
 DEFINITION AX687670
 ACCESSION AX687670.1 GI:29410366
 VERSION
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 402 05-FEB-2003;
 Aeomica, Inc. (US)
 FEATURES
 source 1..17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 BASE COUNT 2 a 8 c 1 g 6 t
 Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 863 TTCTCCTCATTCTCTG 877
 Db 1 TTCTCCTCATTCTCTG 15
 RESULT 334
 AX687747 17 bp DNA linear PAT 31-MAR-2003
 LOCUS Sequence 479 from Patent EP1281758.
 DEFINITION AX687747
 ACCESSION AX687747.1 GI:29410443
 VERSION
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 479 05-FEB-2003;
 Aeomica, Inc. (US)
 FEATURES
 source 1..17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 BASE COUNT 4 a 3 c 7 g 3 t
 Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 792 TGGTGAAGGACCTGA 806
 Db 3 TGGTGAAGGACCTGA 17
 RESULT 335
 AX687748 17 bp DNA linear PAT 31-MAR-2003
 LOCUS Sequence 480 from Patent EP1281758.
 DEFINITION AX687748
 ACCESSION AX687748.1 GI:29410444
 VERSION
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 480 05-FEB-2003;
 Aeomica, Inc. (US)
 FEATURES
 source 1..17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"
 BASE COUNT 4 a 3 c 7 g 3 t
 Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 4.8e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 792 TGGTGAAGGACCTGA 806
 Db 2 TGGTGAAGGACCTGA 16
 RESULT 336
 AX687749 17 bp DNA linear PAT 31-MAR-2003
 LOCUS Sequence 481 from Patent EP1281758.
 DEFINITION AX687749
 ACCESSION AX687749.1 GI:29410445
 VERSION
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 481 05-FEB-2003;
 Aeomica, Inc. (US)
 FEATURES
 Location/Qualifiers

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source
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
4 a 3 c 7 g 3 t
BASE COUNT
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 792 TGGTGAAGGACCTGA 806
|||||
Db 1 TGGTGAAGGACCTGA 15

RESULT 337
AX723430/c
LOCUS
DEFINITION Sequence 1117 from Patent WO03025176.
ACCESSION AX723430
VERSION AX723430.1 GI:30423931
KEYWORDS
SOURCE
ORGANISM Mus musculus (house mouse)
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijinder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 1117 27-MAR-2003;
Molecular Engines Laboratories (FR)
FEATURES
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/mol_type="genomic DNA"
/db_xref="taxon:10090"
4 a 5 c 3 g 5 t
BASE COUNT
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 700 CTCGGTGAAGCAGA 714
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Db 17 CTCGGTGAAGCAGA 3

RESULT 338
AX728094
LOCUS
DEFINITION Sequence 5781 from Patent WO03025176.
ACCESSION AX728094
VERSION AX728094.1 GI:30507437
KEYWORDS
SOURCE
ORGANISM Mus musculus (house mouse)
REFERENCE
AUTHORS Telerman,A., Amson,R. and Tuijinder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 5781 27-MAR-2003;
Molecular Engines Laboratories (FR)
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source
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/db_xref="taxon:10090"
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BASE COUNT

Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 346 GATCTCCAGAACTC 350
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Db 1 GATCTCCAGAACTC 15

RESULT 340
BD058091/c
LOCUS
DEFINITION Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for breast cancer.
ACCESSION BD058091
VERSION BD058091.1 GI:22603697
KEYWORDS JP 2001518881-A/3.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE
AUTHORS Sivaraman,V.S., Wang,H.Y. and Malbon,C.C.
TITLE Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for breast cancer
JOURNAL Patent: JP 2001518881-A 3 16-OCT-2001;
THE RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK
COMMENT OS Homo sapiens (human)
PN JP 2001518881-A/3
PD 16-OCT-2001
PP 19-MAR-1998 JP 1998541700
PI VIMALA S SIVARAMAN,HSIEN YU WANG,CRAIG C MALBON PC
C12N15/11,A61K31/70,C12Q1/68//A61K48/00
CC The molecular type is mRNA which is antisense. FH Key
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source
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/organism="Homo sapiens"

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/mol_type="genomic RNA"
/db_xref="taxon:9606"
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BASE COUNT
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGGGC 1384
||| ||||| |||||
Db 15 GCGGGCGGGCGGGC 1
RESULT 341
BD058092/c
LOCUS
DEFINITION Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for breast cancer.
ACCESSION BD058092.1 GI:22603698
VERSION JP 2001518881-A/4.
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 17)
AUTHORS Sivaraman,V.S., Wang,H.Y. and Malbon,C.C.
TITLE Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for breast cancer
JOURNAL Patent: JP 2001518881-A 4 16-OCT-2001;
THE RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK
COMMENT OS Homo sapiens (human)
PN JP 2001518881-A/4
PD 16-OCT-2001
PI 19-MAR-1998 JP 1998541700
PF VIMALA S SIVARAMAN,HSIEN YU WANG,CRAIG C MALBON PC
CI2N15/11,A61K31/70,C12Q1/68//A61K48/00
CC The molecular type is cDNA which is antisense. FH Key
Location/Qualifiers
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/db_xref="taxon:9606"
1 a 10 c 5 g 1 t
BASE COUNT
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGGGC 1384
||| ||||| |||||
Db 15 GCGGGCGGGCGGGC 1
RESULT 342
E33640/c
LOCUS
DEFINITION Detection of nucleic acid by disappearance of fluorescence.
ACCESSION E33640
VERSION JP 1999155598-A/10.
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS James,G.N., Heien,V.C., J.B.P. and C.P.R.
TITLE Detection of nucleic acid by disappearance of fluorescence
JOURNAL Patent: JP 1999155598-A 10 15-JUN-1999;
BECTON DICKINSON & CO
COMMENT OS Artificial Sequence
PN JP 1999155598-A/10
PD 15-JUN-1999
/mol_type="genomic RNA"
/db_xref="taxon:9606"
1 a 10 c 5 g 1 t
BASE COUNT
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGGGC 1384
||| ||||| |||||
Db 15 GCGGGCGGGCGGGC 1
RESULT 343
BD058092
LOCUS
DEFINITION Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for breast cancer.
ACCESSION BD058092.1 GI:22603698
VERSION JP 2001518881-A/4.
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 17)
AUTHORS Sivaraman,V.S., Wang,H.Y. and Malbon,C.C.
TITLE Antisense oligonucleotides for mitogen-activated protein kinases as
therapy for breast cancer
JOURNAL Patent: JP 2001518881-A 4 16-OCT-2001;
THE RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK
COMMENT OS Homo sapiens (human)
PN JP 2001518881-A/4
PD 16-OCT-2001
PI 19-MAR-1998 JP 1998541700
PF VIMALA S SIVARAMAN,HSIEN YU WANG,CRAIG C MALBON PC
CI2N15/11,A61K31/70,C12Q1/68//A61K48/00
CC The molecular type is cDNA which is antisense. FH Key
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
1 a 10 c 5 g 1 t
BASE COUNT
Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1370 GGGGGCGGGCGGGC 1384
||| ||||| |||||
Db 15 GCGGGCGGGCGGGC 1
RESULT 344
A87319/c
LOCUS
DEFINITION Sequence 44 from Patent WO9837211.
ACCESSION A87319
VERSION A87319.1 GI:6736084
KEYWORDS
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 18)
AUTHORS Ruttrier,B. and Betzner,A.S.
TITLE PROTEIN COMPLEMENTATION IN TRANSGENIC PLANTS
JOURNAL Patent: WO 9837211-A 44 27-AUG-1998;
GENE SHEARS PTY LTD (AU); HUTTNER ERIC (AU)
FEATURES
source
1. .18
/organism="unidentified"

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PAT 14-FEB-2003

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REFERENCE
AUTHORS      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
TITLE        Berlin, K., Braun, A., Distler, J., Gueig, D., Howe, A., Mueller, J.,
              Olek, A., Piepenbrock, C., Adorjan, P., Grabs, G., Lesche, R., Leu, E.,
              Lewin, A., Lipscher, E., Maier, S., Model, F., Mueller, V., Otto, T.,
              Pellet, C. and Ziebarth, H.
              Methods and nucleic acids for the analysis of hematopoietic cell
              proliferative disorders
JOURNAL      Patent: WO 0207272-A 87 03-OCT-2002;
              Epigenomics AG (DE)
FEATURES     source
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              Location/Qualifiers
                /organism="Homo sapiens"
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BASE COUNT   0 a 12 c 4 g 2 t
Query Match  0.9%; Score 13.4; DB 1; Length 18;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 CAGCGCGCGGGGA 1365
Db 17 CGCGCGCGGGGA 3

RESULT 350
BD057397/c
LOCUS        18 bp DNA linear PAT 27-AUG-2002
DEFINITION   Protein complementation in transgenic plants.
ACCESSION    BD057397
VERSION      BD057397.1 GI:22603003
KEYWORDS     JP 2001512322-A/41.
SOURCE       synthetic construct
ORGANISM     artificial sequences.
REFERENCE    1 (bases 1 to 18)
AUTHORS      Paul, W., Perez, P., Huttner, E. and Betzner, A.S.
TITLE        Protein complementation in transgenic plants
JOURNAL      Patent: JP 2001512322-A 41 21-AUG-2001;
              GENE SHEARS PTY LTD
COMMENT      PN JP 2001512322-A/41
              PD 21-AUG-2001
              PF 20-FEB-1998 JP 1998536400
              PR 21-FEB-1997 GB 9703681.8
              PI WYATT PAUL, PASCUAL PEREZ, ERIC HUTTNER, ANDREAS STEFAN BETZNER
              PC
              A01H5/00, C12N5/10, C12N9/22, C12N15/09//C12Q1/68, C12N15/00, C12N5/ PC
              00
              CC Strandedness: Single;
              CC Topology: Linear;
              CC /note= 'Fig 3B, lane 3, RN 7'
              FH Key Location/Qualifiers.
FEATURES     source
              1. .18
              Location/Qualifiers
                /organism="synthetic construct"
                /mol_type="genomic DNA"
                /db_xref="taxon:32630"
BASE COUNT   2 a 9 c 4 g 3 t
Query Match  0.9%; Score 13.4; DB 1; Length 18;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1348 GGACAGCGCGGCG 1362
Db 15 GGACAGCGCGGTG 1

RESULT 351
AR222933
LOCUS        19 bp DNA linear PAT 26-SEP-2002

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DEFINITION    Sequence 43 from patent US 6432639.
ACCESSION     AR222933
VERSION       AR222933.1 GI:23330770
KEYWORDS      .
SOURCE        Unknown.
ORGANISM      Unclassified.
REFERENCE     1 (bases 1 to 19)
AUTHORS       Lichter, J.B. and Guida, M.
TITLE         Isolated CYP3A4 nucleic acid molecules and detection methods
JOURNAL       Patent: US 6432639-A 43 13-AUG-2002;
FEATURES      Location/Qualifiers
              source
                1. .19
                /organism="unknown"
BASE COUNT    8 a 3 c 8 g 0 t
Query Match   0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 55 AAGCGCAAGAGAGAG 69
Db 3 AAGCGCAAGAGAGAG 17

RESULT 352
AX007819
LOCUS        19 bp DNA linear PAT 06-SEP-2000
DEFINITION   Sequence 361 from Patent WO9967428.
ACCESSION    AX007819
VERSION      AX007819.1 GI:9995516
KEYWORDS     Aids-associated retrovirus
SOURCE       Aids-associated retrovirus
ORGANISM     Aids-associated retrovirus
              Viruses; Retroviridae; Retroviridae.
REFERENCE    1
AUTHORS      Stuyver, L.
TITLE        Method for detection of drug-selected mutations in the hiv protease
JOURNAL      Patent: WO 9967428-A 361 29-DEC-1999;
              INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
FEATURES     Location/Qualifiers
              source
                1. .19
                /organism="Aids-associated retrovirus"
                /mol_type="genomic DNA"
                /db_xref="taxon:11966"
BASE COUNT    6 a 3 c 5 g 5 t
Query Match   0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 440 CTGATGACTCAGAG 454
Db 5 CTGTTGACTCAGAG 19

RESULT 353
AX300524
LOCUS        19 bp DNA linear PAT 30-NOV-2001
DEFINITION   Sequence 30 from Patent WO0185933.
ACCESSION    AX300524
VERSION      AX300524.1 GI:17381875
KEYWORDS     .
SOURCE       synthetic construct
ORGANISM     synthetic construct
              artificial sequences.
REFERENCE    1
AUTHORS      van Roy, F., Bonne, S. and Vanlandschoot, A.
TITLE        Plakoglobin interacting proteins
JOURNAL      Patent: WO 0185933-A 30 15-NOV-2001;
              Vlaams Interuniversitair Instituut voor Biotechnologie vzw. (BE)
FEATURES     Location/Qualifiers

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source
1..19
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="primer FVR1595F" 2 t
BASE COUNT      4 a      6 c      7 g      2 t

Query Match      0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1246 GGTTCATCGAGGAGCA 1260
Db 4 GGTTCATCGAGGAGCA 18

RESULT 354
AX421254
LOCUS AX421254 19 bp DNA linear PAT 18-JUN-2002
DEFINITION Sequence 2 from Patent WO0218641.
ACCESSION AX421254
VERSION AX421254.1 GI:21524662
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Risinger,C., Andersson,M.K., Lewander,T. and Olaiasson,E.
TITLE Detection of cyp3a4 and cyp2c9 polymorphisms
JOURNAL Patent: WO 0218641-A 2 07-MAR-2002;
Geminis Genomics PLC (GB)
FEATURES
source
1..19
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Oligonucleotide of CYP3A4 region"
BASE COUNT      8 a      3 c      8 g      0 t

Query Match      0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 55 AAGGCGACAGAGAGAG 69
Db 3 AAGGCGACAGAGAGAG 17

RESULT 355
AX643373/c
LOCUS AX643373 19 bp DNA linear PAT 24-FEB-2003
DEFINITION Sequence 239 from Patent WO02099099.
ACCESSION AX643373
VERSION AX643373.1 GI:28551017
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Penger,A., Sprenger,R. and Brinkmann,U.
TITLE Polymorphisms in the human gene for cytochrome p450 polypeptide 2c8
and their use in diagnostic and therapeutic applications
JOURNAL Patent: WO 02099099-A 239 12-DEC-2002;
Epidaurus Biotechnologie AG (DE)
FEATURES
source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="rsg or a"
BASE COUNT      1 a      6 c      2 g      9 t      1 others
Query Match      0.9%; Score 13.4; DB 1; Length 19;

Best Local Similarity 82.4%; Pred. No. 4.9e+02;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 419 GAAACACCGGAGCGGA 435
Db 18 GAAACAAVGGAGCAGA 2

RESULT 356
AX643376
LOCUS AX643376 19 bp DNA linear PAT 24-FEB-2003
DEFINITION Sequence 242 from Patent WO02099099.
ACCESSION AX643376
VERSION AX643376.1 GI:28551020
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Penger,A., Sprenger,R. and Brinkmann,U.
TITLE Polymorphisms in the human gene for cytochrome p450 polypeptide 2c8
and their use in diagnostic and therapeutic applications
JOURNAL Patent: WO 02099099-A 242 12-DEC-2002;
Epidaurus Biotechnologie AG (DE)
FEATURES
source
1..19
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="ywt or c"
BASE COUNT      9 a      2 c      6 g      1 t      1 others

Query Match      0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 82.4%; Pred. No. 4.9e+02;
Matches 14; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 419 GAAACACCGGAGCGGA 435
Db 2 GAAACAAVGGAGCAGA 18

RESULT 357
E63275/c
LOCUS E63275 19 bp DNA linear PAT 27-AUG-2002
DEFINITION Cell death inhibitory protein.
ACCESSION E63275
VERSION E63275.1 GI:22557574
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 19)
AUTHORS Morishima,N. and Shibata,T.
TITLE Cell death inhibitory protein
JOURNAL Patent: JP 2001231566-A 4 28-AUG-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH
COMMENT OS Artificial Sequence
PN JP 2001231566-A/4
PD 28-AUG-2001
PF 18-FEB-2000 JP 2000041927
PI NOBUHIRO MORISHIMA, TAKEHIKO SHIBATA
PC C12N15/09, A61K38/55, A61P21/00, A61P25/28, A61P37/02, A61P43/00,
PC C07K14/47,
PC C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12N15/00, A61K37/ PC
64, C12N5/00
CC Description of Artificial Sequence:synthetic DNA FH Key
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source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

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BASE COUNT      3 a      5 c      9 g      2 t
Query Match      0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1031 CCTTCGGGGCGCA 1045
|||||
Db 18 CCTTCGGGGCGCA 4

RESULT 358
188039
LOCUS      188039      19 bp      DNA      linear      PAT 10-AUG-1998
DEFINITION      Sequence 17 from patent US 5716846.
ACCESSION      188039
VERSION      188039.1 GI:3407979
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.
REFERENCE      1 (bases 1 to 19)
AUTHORS      Brown,S,Joel., Dattagupta,N. and Naidu,Y.M.
TITLE      Method for inhibiting cellular proliferation using antisense
oligonucleotides to interleukin-6 receptor mRNA
JOURNAL      Patent: US 5716846-A 17 10-FEB-1998;
FEATURES
source      Location/Qualifiers
1..19
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BASE COUNT      6 a      3 c      8 g      2 t
Query Match      0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 4.9e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 431 GCGGACAGGCTGATG 445
|||||
Db 1 GCGGACAGGCTATG 15

RESULT 359
181145
LOCUS      181145      18 bp      DNA      linear      PAT 22-APR-1994
DEFINITION      Probe specific for HLA-B27 group seq ID No:11.
ACCESSION      181145
VERSION      181145.1 GI:513200
KEYWORDS
SOURCE      synthetic construct
ORGANISM      synthetic construct
REFERENCE      1 (bases 1 to 18)
AUTHORS
TITLE      PROCESS FOR AMPLIFYING NUCLEIC ACID
JOURNAL      Patent: WO 9207956-A 13 14-MAY-1992;
FEATURES
source      Location/Qualifiers
1..18
/organism="synthetic construct"
/db_xref="taxon:32630"

BASE COUNT      6 a      6 c      5 g      1 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 673 CTACAGTCCAGGCACA 690
|||||
Db 1 CTGCAAGGCCAAGGCACA 18

RESULT 360
A34806/c
LOCUS      A34806      18 bp      DNA      linear      PAT 16-JUL-1996
DEFINITION      Sequence 7 from patent US 5750376.
ACCESSION      AR007264
VERSION      AR007264.1 GI:3966748
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.

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DEFINITION      HSV probe.
ACCESSION      A34806
VERSION      A34806.1 GI:1568287
KEYWORDS      synthetic construct
SOURCE      synthetic construct
ORGANISM      artificial sequences.
REFERENCE      1 (bases 1 to 18)
AUTHORS      Renard,A. and Thiry,M.
TITLE      Recombinant polypeptides of the haemorrhagic septicemia virus in
fish
JOURNAL      Patent: EP 0377349-A 24 11-JUL-1990;
FEATURES
source      Location/Qualifiers
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

BASE COUNT      5 a      4 c      6 g      3 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 889 CGCGCCCAAGAGGCTCTT 906
|||||
Db 18 CGCCTCCAGATGCTCTT 1

RESULT 361
A63132
LOCUS      A63132      18 bp      DNA      linear      PAT 12-MAR-1998
DEFINITION      Sequence 7 from Patent WO9720058.
ACCESSION      A63132
VERSION      A63132.1 GI:3716996
KEYWORDS
SOURCE      unidentified
ORGANISM      unidentified
REFERENCE      1
AUTHORS      Kapros,T., Dudits,D., Gyorgyevy,J., Mai,A. and Kelenen,Z.
TITLE      PLANT GENE EXPRESSION VECTOR FAMILY BASED ON THE REGULATORY DNA
SEQUENCES OF AN ALPFA H3 HISTON GENE VARIANT (Msh3g1)
JOURNAL      Patent: WO 9720058-A 7 05-JUN-1997;
COMMENT      BAY ZOLTAN ALKALMAZOTT KUTATAS (HU)
Other publication HU 76355 19970828
Other publication AU 7705296 19970619.
FEATURES
source      Location/Qualifiers
1..18
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

BASE COUNT      1 a      5 c      11 g      1 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1430 GGGGCCACCGCGGCATC 1447
|||||
Db 1 GGGGCCCGCGCGGCATC 18

RESULT 362
AR007264/c
LOCUS      AR007264      18 bp      DNA      linear      PAT 04-DEC-1998
DEFINITION      Sequence 7 from patent US 5750376.
ACCESSION      AR007264
VERSION      AR007264.1 GI:3966748
KEYWORDS
SOURCE      Unknown.
ORGANISM      Unclassified.

```

REFERENCE 1 (bases 1 to 18)
AUTHORS Weiss, S., Reynolds, B., Hamman, J. P. and Baetge, E. Edward.
TITLE In vitro growth and proliferation of genetically modified multipotent neural stem cells and their progeny
JOURNAL Patent: US 5750376-A 7 12-MAY-1998;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 3 a 8 c 2 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 148 CGAGATGCTGCTGCTGC 165
Db 18 CGAGGTGATGCGCTGCG 1
RESULT 363
LOCUS AR007265 18 bp DNA linear PAT 04-DEC-1998
DEFINITION Sequence 8 from patent US 5750376.
ACCESSION AR007265
VERSION AR007265.1 GI:3966749
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Weiss, S., Reynolds, B., Hamman, J. P. and Baetge, E. Edward.
TITLE In vitro growth and proliferation of genetically modified multipotent neural stem cells and their progeny
JOURNAL Patent: US 5750376-A 8 12-MAY-1998;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 2 a 5 c 8 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 148 CGAGATGCTGCTGCTGC 165
Db 1 CGAGGTGATGCGCTGCG 18
RESULT 364
LOCUS AR034870 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 1 from patent US 5869642.
ACCESSION AR034870
VERSION AR034870.1 GI:5950475
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Sakamoto, K.
TITLE Detection of the genus pectinatus
JOURNAL Patent: US 5869642-A 1 09-FEB-1999;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 5 a 4 c 7 g 2 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 436 CAGGCTGATGACTCAGAG 453
Db 18 CAGGCTGATGACTCAGAG 1

Db 1 CAGGCGGATGACTAAGCG 18
RESULT 365
LOCUS AR034880/0 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 11 from patent US 5869642.
ACCESSION AR034880
VERSION AR034880.1 GI:5950485
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Sakamoto, K.
TITLE Detection of the genus pectinatus
JOURNAL Patent: US 5869642-A 11 09-FEB-1999;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 2 a 7 c 4 g 5 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 436 CAGGCTGATGACTCAGAG 453
Db 18 CAGGCGGATGACTAAGCG 1
RESULT 366
LOCUS AR034902/C 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 24 from patent US 5869643.
ACCESSION AR034902
VERSION AR034902.1 GI:5950507
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Chatelet, F. and Kumarev, V.
TITLE Process for preparing polynucleotides on a solid support in a tightly packed bed
JOURNAL Patent: US 5869643-A 24 09-FEB-1999;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 0 a 18 c 0 g 0 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1545 GGGGGCGCGGGGAGGGG 1562
Db 18 GGGGGCGGGGGGGGGGGG 1
RESULT 367
LOCUS AR049396 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 11 from patent US 5824515.
ACCESSION AR049396
VERSION AR049396.1 GI:6005435
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Hill, A. Vivian. Sinton.
TITLE Process for amplifying nucleic acid

```

JOURNAL Patent: US 5824515-A 11 20-OCT-1998;
FEATURES Location/Qualifiers
source
BASE COUNT 6 a 6 c 5 g 1 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 673 CTACGAGTCCAGGCACA 690
Db 1 CTGCAAGCCACAGGCACA 18

RESULT 368
AR067397/c
LOCUS 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 745 from patent US 5851760.
ACCESSION AR067397
VERSION AR067397.1 GI:5998619
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Evans,G.A. and Smith,M.W.
TITLE Method for generation of sequence sampled maps of complex genomes
JOURNAL Patent: US 5851760-A 745 22-DEC-1998;
FEATURES Location/Qualifiers
source
BASE COUNT 2 a 7 c 4 g 5 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 11 CAGCGAGGCGAGAGCGCA 28
Db 18 CAGCGAGTCAGTGAGCGCA 1

RESULT 369
AR067989/c
LOCUS 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 7 from patent US 5851832.
ACCESSION AR067989
VERSION AR067989.1 GI:5999211
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Weiss,S., Reynolds,B., Hammang,J.P. and Baetge,E.Edward.
TITLE In vitro growth and proliferation of multipotent neural stem cells
and their progeny
JOURNAL Patent: US 5851832-A 7 22-DEC-1998;
FEATURES Location/Qualifiers
source
BASE COUNT 3 a 8 c 5 g 2 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CGAGATGCTCTGCTGGC 165
Db 18 CGAGGTGATCCGCTGGC 1

RESULT 370
AR067990
LOCUS 18 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 8 from patent US 5851832.
ACCESSION AR067990
VERSION AR067990.1 GI:5999212
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Weiss,S., Reynolds,B., Hammang,J.P. and Baetge,E.Edward.
TITLE In vitro growth and proliferation of multipotent neural stem cells
and their progeny
JOURNAL Patent: US 5851832-A 8 22-DEC-1998;
FEATURES Location/Qualifiers
source
BASE COUNT 2 a 5 c 8 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CGAGATGCTCTGCTGGC 165
Db 1 CGAGGTGATCCGCTGGC 18

RESULT 371
AR069478
LOCUS 18 bp DNA linear PAT 18-FEB-2000
DEFINITION Sequence 15 from patent US 5891666.
ACCESSION AR069478
VERSION AR069478.1 GI:7220366
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Matsuyama,T. and Grossman,A.
TITLE Genes encoding LSIRF polypeptides
JOURNAL Patent: US 5891666-A 15 06-APR-1999;
FEATURES Location/Qualifiers
source
BASE COUNT 7 a 2 c 6 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 502 GCCAGGAGTGAACTGCG 519
Db 1 GCTAGAGTGAACTGAG 18

RESULT 372
AR071801
LOCUS 18 bp DNA linear PAT 18-FEB-2000
DEFINITION Sequence 30 from patent US 5912147.
ACCESSION AR071801
VERSION AR071801.1 GI:7222689
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Stoler,D., Basik,M. and Anderson,G.
TITLE Rapid means of quantitating genomic instability
JOURNAL Patent: US 5912147-A 30 15-JUN-1999;
FEATURES Location/Qualifiers
source

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BASE COUNT      8 a      10 c      0 g      0 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 72 CACACGACACACCGCC 89
|||||
Db 1 CACACACACACACACC 18

RESULT 373
AR084251/c
LOCUS AR084251 18 bp DNA linear PAT 01-SEP-2000
DEFINITION Sequence 7 from patent US 5980885.
ACCESSION AR084251
VERSION AR084251.1 GI:10011022
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Weiss, S. and Reynolds B.
TITLE Growth factor-induced proliferation of neural precursor cells in vivo
JOURNAL Patent: US 5980885-A 7 09-NOV-1999;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT      3 a      8 c      5 g      2 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGC 165
|||||
Db 18 CGAGGTGATCGCTGCTG 1

RESULT 374
AR084252
LOCUS AR084252 18 bp DNA linear PAT 01-SEP-2000
DEFINITION Sequence 8 from patent US 5980885.
ACCESSION AR084252
VERSION AR084252.1 GI:10011023
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Weiss, S. and Reynolds B.
TITLE Growth factor-induced proliferation of neural precursor cells in vivo
JOURNAL Patent: US 5980885-A 8 09-NOV-1999;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT      2 a      5 c      8 g      3 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGC 165
|||||
Db 1 CGAGGTGATCGCTGCTG 18

RESULT 375
AR085578
LOCUS AR085578 18 bp DNA linear PAT 01-SEP-2000
DEFINITION Sequence 14 from patent US 5981732.

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ACCESSION AR085578
VERSION AR085578.1 GI:10012345
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Cowser, L.M.
TITLE Antisense modulation of G-alpha-13 expression
JOURNAL Patent: US 5981732-A 14 09-NOV-1999;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT      4 a      6 c      8 g      0 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 603 CTGACCGCGACCGCAGCA 620
|||||
Db 1 CGGACCGCGACCGCAGCA 18

RESULT 376
AR096650/c
LOCUS AR096650 18 bp DNA linear PAT 08-SEP-2000
DEFINITION Sequence 34 from patent US 6008048.
ACCESSION AR096650
VERSION AR096650.1 GI:10025636
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Monia, B.P. and Cowser, L.M.
TITLE Antisense inhibition of EGR-1 expression
JOURNAL Patent: US 6008048-A 34 28-DEC-1999;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT      2 a      5 c      8 g      3 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1194 TCACGGCCCGACCGCAGCA 1211
|||||
Db 18 TCCCGCCCGACCGCAGCA 1

RESULT 377
AR097623/c
LOCUS AR097623 18 bp DNA linear PAT 14-FEB-2001
DEFINITION Sequence 7 from patent US 6071889.
ACCESSION AR097623
VERSION AR097623.1 GI:12806353
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Weiss, S., Reynolds, B., Hamang, J.P. and Baetge, E. Edward.
TITLE In vivo genetic modification of growth factor-responsive neural precursor cells
JOURNAL Patent: US 6071889-A 7 06-JUN-2000;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT      3 a      8 c      5 g      2 t
Query Match      0.8%; Score 13.2; DB 1; Length 18;

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Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGGC 165
|||||
Db 18 CGAGGTGATGCGCTGGC 1

RESULT 378
AR097624 18 bp DNA linear PAT 14-FEB-2001
LOCUS
DEFINITION Sequence 8 from patent US 6071889.
ACCESSION AR097624
VERSION AR097624.1 GI:12806354
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Weis, S., Reynolds, B., Hammang, J. P. and Baetge, E. Edward.
TITLE In vivo genetic modification of growth factor-responsive neural precursor cells
JOURNAL Patent: US 6071889-A 8 06-JUN-2000;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 2 a 5 c 8 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGGC 165
|||||
Db 1 CGAGGTGATGCGCTGGC 18

RESULT 379
AR098789 18 bp DNA linear PAT 14-FEB-2001
LOCUS
DEFINITION Sequence 44 from patent US 6077672.
ACCESSION AR098789
VERSION AR098789.1 GI:12808555
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Monia, B. P. and Cowse, L. M.
TITLE Antisense modulation of TRADD expression
JOURNAL Patent: US 6077672-A 44 20-JUN-2000;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 1 a 6 c 9 g 2 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGGCGCGCGGCA 1385
|||||
Db 1 GCGGCGCGCGCGGCTTCA 18

RESULT 380
AR153937/c 18 bp DNA linear PAT 08-AUG-2001
LOCUS
DEFINITION Sequence 11 from patent US 6238670.
ACCESSION AR153937
VERSION AR153937.1 GI:15121990
KEYWORDS
SOURCE

Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 124 CTCGAGATCATCAGTTC 141
|||||
Db 18 CTCGAGATCTTCAGATC 1

RESULT 381
AR162795 18 bp DNA linear PAT 17-OCT-2001
LOCUS
DEFINITION Sequence 15 from patent US 6258935.
ACCESSION AR162795
VERSION AR162795.1 GI:16230136
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Matsuyama, T., Grossman, A. and Richardson, C. Donald.
TITLE LSIRF polypeptides
JOURNAL Patent: US 6258935-A 15 10-JUL-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 7 a 2 c 6 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 502 GCCAGGAGTGAAGTGGG 519
|||||
Db 1 GCTAGAGTGAAGTGGG 18

RESULT 382
AR165009 18 bp DNA linear PAT 17-OCT-2001
LOCUS
DEFINITION Sequence 10 from patent US 6274348.
ACCESSION AR165009
VERSION AR165009.1 GI:16238329
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Grinna, L.
TITLE Methods for the preparation of positively charged proteins
JOURNAL Patent: US 6274348-A 10 14-AUG-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 3 a 8 c 4 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 937 GCGCTGCTGCTCACC 954

QY
1545 GGGGGCCGGGGAGGG 1562

D8
18 GGGGGGGGGGGGGGGG 1

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RESULT 388
LOCUS AR205722 18 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 15 from patent US 6393202.
ACCESSION AR205722
VERSION AR205722.1 GI:21503377
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 18)
AUTHORS Matsuyama,T., Grossman,A. and Richardson,C.Donald.
TITLE Genes encoding LSRF polypeptides
JOURNAL Patent: US 6393202-A 15 09-APR-2002;
FEATURES
source
1..18
/organism="unknown"
BASE COUNT 7 a 2 c 6 g 3 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 502 GCAGAGTGTGCTGCTGCG 519
Db 1 GCTAGAGTGAACCTGAG 18
RESULT 389
LOCUS AR211763 18 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 7 from patent US 6399369.
ACCESSION AR211763
VERSION AR211763.1 GI:21515172
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 18)
AUTHORS Weiss,S. and Reynolds,B.
TITLE Multipotent neural stem cell cDNA libraries
JOURNAL Patent: US 6399369-A 7 04-JUN-2002;
FEATURES
source
1..18
/organism="unknown"
BASE COUNT 3 a 8 c 5 g 2 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 148 CGAGATGCTGCTGCTGCG 165
Db 18 CGAGGTGATGCCCTGCG 1
RESULT 390
LOCUS AR211764 18 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 8 from patent US 6399369.
ACCESSION AR211764
VERSION AR211764.1 GI:21515173
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 18)
AUTHORS Weiss,S. and Reynolds,B.
TITLE Multipotent neural stem cell cDNA libraries
JOURNAL Patent: US 6399369-A 8 04-JUN-2002;
FEATURES
source
1..18
/organism="unknown"
BASE COUNT 0 a 18 c 0 g 0 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1545 GGGGGCGGGGGGAGGGG 1562
Db 18 GGGGGGGGGGGGGGGGGG 1
RESULT 391
LOCUS AR262417 18 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 42 from patent US 6323185.
ACCESSION AR262417
VERSION AR262417.1 GI:28073848
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 18)
AUTHORS Rando,R.F., Fennefeld,S., Zendequi,J.G., Ojwang,J.O. and Hogan,M.E.
TITLE Anti-viral guanosine-rich oligonucleotides and method of treating
JOURNAL Patent: US 6323185-A 42 27-NOV-2001;
FEATURES
source
1..18
/organism="unknown"
BASE COUNT 0 a 18 c 0 g 0 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1545 GGGGGCGGGGGGAGGGG 1562
Db 18 GGGGGGGGGGGGGGGGGG 1
RESULT 392
LOCUS AR262418 18 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 43 from patent US 6323185.
ACCESSION AR262418
VERSION AR262418.1 GI:28073849
KEYWORDS
SOURCE
ORGANISM
REFERENCE
1 (bases 1 to 18)
AUTHORS Rando,R.F., Fennefeld,S., Zendequi,J.G., Ojwang,J.O. and Hogan,M.E.
TITLE Anti-viral guanosine-rich oligonucleotides and method of treating
JOURNAL Patent: US 6323185-A 43 27-NOV-2001;
FEATURES
source
1..18
/organism="unknown"
BASE COUNT 0 a 18 c 0 g 0 t
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1545 GGGGGCGGGGGGAGGGG 1562
Db 18 GGGGGGGGGGGGGGGGGG 1
RESULT 393
LOCUS AR267617 18 bp mRNA linear PAT 10-APR-2003
DEFINITION Sequence 7 from patent US 6497872.
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Query Match	0.8%;	Score 13.2;	DB 1;	Length 18;
Best Local Similarity	83.3%;	Pred. No. 5.2e+02;		
Matches	15;	Conservative	0;	Mismatches 3;
Indels			0;	Gaps 0;
QY	433	GGACAGGCTGATGACTCA	450	
DB	18	GGAGAGGCTTATCACTCA	1	
RESULT 396				
AR298227/C				
LOCUS	AR298227	18 bp	DNA	linear
DEFINITION	Sequence 9962 from patent US 6537751.			
ACCESSION	AR298227			
VERSION	AR298227.1	GI:31685511		
KEYWORDS				
SOURCE	Unknown.			
ORGANISM	Unclassified.			
REFERENCE	1 (bases 1 to 18)			
AUTHORS	Cohen, D.; Chumakov, I. and Blumenfeld, M.			
TITLE	Biallelic markers for use in constructing a high density			
JOURNAL	disequilibrium map of the human genome			
FEATURES	Patent: US 6537751-A, 9962 25-MAR-2003;			
source	Location/Qualifiers			
	1..18			
BASE COUNT	1 a 5 c 4 g 8 t			
Query Match	0.8%;	Score 13.2;	DB 1;	Length 18;
Best Local Similarity	83.3%;	Pred. No. 5.2e+02;		
Matches	15;	Conservative	0;	Mismatches 3;
Indels			0;	Gaps 0;
QY	416	GAAGAAACACCGGCGC	433	
DB	18	GAAGAAACACCAAGATCG	1	
RESULT 397				
AX015243/C				
LOCUS	AX015243	18 bp	DNA	linear
DEFINITION	Sequence 7 from Patent WO951756.			
ACCESSION	AX015243			
VERSION	AX015243.1	GI:10041276		
KEYWORDS				
SOURCE	synthetic construct			
ORGANISM	synthetic construct			
REFERENCE	1			
AUTHORS	Del Rio Pericacho, J.L., Gutierrez, M.S., Hijarribia, I.M.,			
	Cardoza, S.R., Casqueiro, B.F., Faus, S.I., Martin, M.J., Moralejo, L.F.,			
	and Sisiniega, B.H.			
TITLE	Promoter and constructions for expression of recombinant proteins			
JOURNAL	in filamentous fungi			
	Patent: WO 9951756-A 7 14-OCT-1999;			
	DBL RIO PERICACHO JOSE LUIS (ES); GUTIERREZ MARTIN SANTIAGO (ES);			
	HIJARRIBIA IERRAHIM MARIA JOSE (ES); URQUIMA SA (ES); CARDOZA SILVA			
	ROSA ELENA (ES); CASQUEIRO BLANCO FRANCISCO JAV (ES); FAUS			
	MORALESUANA IGNACIO (ES); MARTIN MARTIN JUAN FRANCISCO (ES);			
	MORALEJO LORENZO FRANCISCO JOS (ES); SISINIEGA BARROSO HEIDI (ES)			
FEATURES	Location/Qualifiers			
source	1..18			
	/organism="synthetic construct"			
	/mol_type="genomic DNA"			
	/db_xref="taxon:32630"			
	/note="Oligonucleotide IIA"			
BASE COUNT	0 a 6 c 3 g 9 t			
Query Match	0.8%;	Score 13.2;	DB 1;	Length 18;
Best Local Similarity	83.3%;	Pred. No. 5.2e+02;		
Matches	15;	Conservative	0;	Mismatches 3;
Indels			0;	Gaps 0;

[illegible]

```

ORGANISM      synthetic construct
REFERENCE      1
AUTHORS        Brower,A., Brow,M.A., Cracauer,R.F., Fors,L., Granske,R., de arruda
               Indig,M., Kurensky,D., Luedtke,C., Lukowiak,A.A., Lyamichev,V.,
               Neri,B.P., Reimer,N.D., Roeven,R.T., Skrzypczynski,Z., Ziarno,W.A.,
               Comerford,J., Stump,S. and Viegut,D.D.
TITLE          Systems and method for detection assay production and sale
JOURNAL        Patent: WO 0244994-A 634 06-JUN-2002;
               THIRD WAVE TECHNOLOGIES, INC. (US)
FEATURES       Location/Qualifiers
source         1..18
               /organism="synthetic construct"
               /mol_type="genomic DNA"
               /db_xref="taxon:32630"
BASE COUNT    4 a 5 c 7 g 2 t
               Query Match      0.8%; Score 13.2; DB 1; Length 18;
               Best Local Similarity 83.3%; Pred. No. 5.2e+02;
               Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 760 CACGGTGCACCTGGAGCA 777
Db 1 CAGGGTCCAGCTGGAGCA 18
|||||
RESULT 403
LOCUS      AX718621 18 bp DNA linear PAT 15-APR-2003
DEFINITION Sequence 185 from Patent WO02103043.
ACCESSION  AX718621
VERSION     AX718621.1 GI:29891187
KEYWORDS   .
SOURCE      synthetic construct
ORGANISM    synthetic construct
REFERENCE    1
AUTHORS      Beifohr,C. and Snaird,J.
TITLE        Method for the specific fast detection of bacteria which is harmful
JOURNAL      Patent: WO 02103043-A 185 27-DEC-2002;
               Vermicon AG (DE)
FEATURES     Location/Qualifiers
source       1..18
               /organism="synthetic construct"
               /mol_type="genomic DNA"
               /db_xref="taxon:32630"
               /notes="Oligonukleotid"
BASE COUNT   1 a 4 c 11 g 2 t
               Query Match      0.8%; Score 13.2; DB 1; Length 18;
               Best Local Similarity 83.3%; Pred. No. 5.2e+02;
               Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1366 CCGCGGGGGCGGGCGG 1383
Db 1 CAGCGGTGGCGGTGGCGG 18
|||||
RESULT 404
LOCUS      B0089302 18 bp DNA linear PAT 27-AUG-2002
DEFINITION A method of arraying genome clone.
ACCESSION  B0089302
VERSION     B0089302.1 GI:22634912
KEYWORDS   JP 2001321190-A/1546.
SOURCE      synthetic construct
ORGANISM    synthetic construct
REFERENCE    1 (bases 1 to 18)
AUTHORS      Soeda,E.
TITLE        A method of arraying genome clone
JOURNAL      Patent: JP 2001321190-A 1546 20-NOV-2001;

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GENOTECHS
OS      Artificial Sequence
PN      JP 2001321190-A/1546
PD      20-NOV-2001
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PI      EII CHI SOEDA
PC      C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566, PC
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Db 1 GGCATGGCAGACAAGACC 18
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RESULT 405
LOCUS      BD104066/c 18 bp DNA linear PAT 27-AUG-2002
DEFINITION Kit and method for determining HLA type.
ACCESSION  BD104066
VERSION     BD104066.1 GI:22649640
KEYWORDS   WO 0192572-A/170.
SOURCE      synthetic construct
ORGANISM    synthetic construct
REFERENCE    1 (bases 1 to 18)
AUTHORS      Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
               Nishida,M.
TITLE        Kit and method for determining HLA type
JOURNAL      Patent: WO 0192572-A 170 06-DEC-2001;
               NISSHINBO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO
               KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO
               NISHIDA
COMMENT      OS      Artificial Sequence
               PN      WO 0192572-A/170
               PD      06-DEC-2001
               PF      01-JUN-2001 WO 2001JP004662
               PR      01-JUN-2000 JP 00P 164798
               PI      HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI
               MATSUMURA,
               PC      SHOGO MORIYA,MICHIO NISHIDA
               PC      C12Q1/68,C12M1/00,C12N15/09,G01N33/53
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QY 1498 CGAGGCCCTGCACCGCT 1515

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DEFINITION Primer for amplifying Epstein-Barr virus and cytomegalovirus.
ACCESSION E09963
VERSION E09963.1 GI:22026587
KEYWORDS JP 1995250899-A/9.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Yamanishi,K., Mukai,T., Aono,T., Kondo,M. and Takarada,Y.
TITLE METHOD FOR DISCRIMINATORY DETECTION OF HUMAN HERPES VIRUS AND
JOURNAL REAGENT THEREFOR
COMMENT Patent: JP 1995250699-A 9 03-OCT-1995;
TOYOBO CO LTD
OS None
OC Artificial sequences.
PN JP 1995250699-A/9
PD 03-OCT-1995
PP 11-MAR-1994 JP 1994041101
PI YAMANISHI KOICHI, MUKAI TORU, AONO TOSHIYA, KONDO MOTOHIRO, PI
TAKARADA YUTAKA
PC C12Q1/68.C12N15/09.C12Q1/70;
CC strandedness: Single;
CC topology: Linear;
CC hypothetical: No;
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Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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DEFINITION Sequence 6 from Patent US 5418150.
ACCESSION I12014
VERSION I12014.1 GI:909455
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Topal,M.D. and Conrad,M.J.
TITLE Method of cleaving DNA
JOURNAL Patent: US 5418150-A 6 23-MAY-1995;
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ACCESSION I12014
VERSION I12014.1 GI:909455
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Topal,M.D. and Conrad,M.J.
TITLE Method of cleaving DNA
JOURNAL Patent: US 5418150-A 6 23-MAY-1995;
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Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Db 1 CTGGTGGTGGCGGCCGCC 18

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I13566
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DEFINITION Sequence 10 from patent US 5439607.
ACCESSION I13566
VERSION I13566.1 GI:996633
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Grinna,L.S.
TITLE Methods for the preparation of endotoxin-binding proteins
JOURNAL Patent: US 5439607-A 10 08-AUG-1995;
FEATURES
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Location/Qualifiers
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QY 937 GCGCTGCTGCTCAGCGC 954
Db 1 GCACCTGCTACTGACCGC 18
RESULT 412
LOCUS I21930
DEFINITION Sequence 11 from patent US 5525492.
ACCESSION I21930
VERSION I21930.1 GI:1602284
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Hill,A.V.S.
TITLE Process for amplifying HLA sequences
JOURNAL Patent: US 5525492-A 11 11-JUN-1996;
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BASE COUNT 6 a 6 c 5 g 1 t
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Db 1 CTGCAAGGCCAAGGCACA 18
RESULT 413
LOCUS I27810/c
DEFINITION Sequence 42 from patent US 5567604.
ACCESSION I27810
VERSION I27810.1 GI:1818586
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Rando,R.F., Fennewald,S., Zendegeui,J.G. and Ojwang,J.O.
TITLE Anti-viral guanosine-rich oligonucleotides
JOURNAL Patent: US 5567604-A 42 22-OCT-1996;
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Query Match          0.8%; Score 13.2; DB 1; Length 18;
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Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 18 GGGGGGGGGGGGGGGG 1

RESULT 414
LOCUS I27811/c 127811 18 bp DNA linear PAT 06-FEB-1997
DEFINITION Sequence 43 from patent US 5567604.
ACCESSION I27811
VERSION I27811.1 GI:1818587
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Rando,R.F., Fennewald,S., Zendequi,J.G. and Ojwang,J.O.
TITLE Anti-viral guanosine-rich oligonucleotides
JOURNAL Patent: US 5567604-A 43 22-OCT-1996;
FEATURES Location/Qualifiers
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BASE COUNT 0 a 18 c 0 g 0 t

Query Match          0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 18 GGGGGGGGGGGGGGGG 1

RESULT 415
LOCUS I30029 130029 18 bp DNA linear PAT 06-FEB-1997
DEFINITION Sequence 5 from patent US 5578716.
ACCESSION I30029
VERSION I30029.1 GI:1820820
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Szyf,M. and von Hofe,E.
TITLE DNA methyltransferase antisense oligonucleotides
JOURNAL Patent: US 5578716-A 5 26-NOV-1996;
FEATURES Location/Qualifiers
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Query Match          0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 5.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 212 GGACTGGCGTGGGACCG 229
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Db 1 GGACTGGGTGAGGACCG 18

RESULT 416
LOCUS I34952 134952 18 bp DNA linear PAT 13-MAY-1997
DEFINITION Sequence 38 from patent US 5599704.
ACCESSION I34952
VERSION I34952.1 GI:2087920
KEYWORDS

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SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Thompson,J.D. and Draper,K.G.
TITLE ErbB2/neu targeted ribozymes
JOURNAL Patent: US 5599704-A 38 04-FEB-1997;
FEATURES Location/Qualifiers
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BASE COUNT 3 a 6 c 7 g 2 t

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Best Local Similarity 83.3%; Pred. No. 5.2e+02;
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Db 1 CCCTGCAAGGCTGGGCA 18

RESULT 417
LOCUS I50676 150676 18 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 10 from patent US 5643570.
ACCESSION I50676
VERSION I50676.1 GI:2472379
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Theofan,G., Grinna,L.S. and Horwitz,A.
TITLE BPI-immunoglobulin fusion proteins
JOURNAL Patent: US 5643570-A 10 01-JUL-1997;
FEATURES Location/Qualifiers
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BASE COUNT 3 a 8 c 4 g 3 t

Query Match          0.8%; Score 13.2; DB 1; Length 18;
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Db 1 GCACCTGCTACTGACGC 18

RESULT 418
LOCUS AR024073 AR024073 13 bp DNA linear PAT 05-DEC-1998
DEFINITION Sequence 23 from patent US 5795778.
ACCESSION AR024073
VERSION AR024073.1 GI:3977367
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 13)
AUTHORS Draper,K.G.
TITLE Method and reagent for inhibiting herpes simplex virus replication
JOURNAL Patent: US 5795778-A 23 18-AUG-1998;
FEATURES Location/Qualifiers
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BASE COUNT 1 a 6 c 5 g 1 t

Query Match          0.8%; Score 13; DB 1; Length 13;
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82712 PR

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26-AUG-1992 US 07/936086,18-SEP-1992 US 07/948359 PR
15-OCT-1992 US 07/963322,07-DEC-1992 US 07/987129 PR
KENNETH G DRAPER, LEC W DADYKIZ, JAMES A MACSWIGEN, PI DENNIS G
MAYSEJAK,
PI JAMES J HOLESEK, ANTHONY J MAMONE
PC C12N15/09, C12N5/10, C12N7/00//A61K38/43, A61K39/125, A61K39/13,
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PC A61P31/14, A61P31/16, A61P31/18, A61P31/22, A61P35/02, C12Q1/69, PC
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C12R1/93)
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Db 1 GCGTGGCGCACGC 13
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AX007863
LOCUS AX007863 15 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 405 from Patent WO9967428.
ACCESSION AX007863
VERSION AX007863.1 GI:9995560
KEYWORDS
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
REFERENCE 1
AUTHORS Stuyver, L.
TITLE Method for detection of drug-selected mutations in the hiv protease
JOURNAL
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Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CTGATGACTCAGA 13

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RESULT 424
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LOCUS AX007920 16 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 462 from Patent WO9967428.
ACCESSION AX007920
VERSION AX007920.1 GI:9995617
KEYWORDS
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
REFERENCE 1
AUTHORS Stuyver, L.
TITLE Method for detection of drug-selected mutations in the hiv protease
JOURNAL
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Db 4 CTGATGACTCAGA 16
RESULT 425
AX007923
LOCUS AX007923 16 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 465 from Patent WO9967428.
ACCESSION AX007923
VERSION AX007923.1 GI:9995620
KEYWORDS
SOURCE Aids-associated retrovirus
ORGANISM Aids-associated retrovirus
REFERENCE 1
AUTHORS Stuyver, L.
TITLE Method for detection of drug-selected mutations in the hiv protease
JOURNAL
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Db 1 CTGATGACTCAGA 13
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LOCUS AX139231 16 bp DNA linear PAT 30-MAY-2001
DEFINITION Sequence 79 from Patent EP1076099.
ACCESSION AX139231
VERSION AX139231.1 GI:14274904
KEYWORDS

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SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacteriaceae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.

REFERENCE 1
AUTHORS Suzuki, Y., Nishida, M. and Takenishi, S.
TITLE Kit for diagnosis of tubercle bacilli
JOURNAL Patent: EP 1076099-A 79 14-FEB-2001;
NISHINBO INDUSTRIES, INC. (JP) ; System Research Incorporation
(JP)

FEATURES Location/Qualifiers

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QY 793 GGTGAAGGACCTG 805

Db 1 GGTGAAGGACCTG 13

RESULT 427

BD013515
LOCUS BD013515 16 bp DNA linear PAT 27-AUG-2002
DEFINITION Diagnosis kit of tubercle bacillus.

ACCESSION BD013515

VERSION BD013515.1 GI:22553829

KEYWORDS JP 2001103981-A/79.

SOURCE Mycobacterium tuberculosis

ORGANISM Mycobacterium tuberculosis

Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacteriaceae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.

REFERENCE 1 (bases 1 to 16)

AUTHORS Suzuki, S., Nishida, M. and Takenishi, S.

TITLE Diagnosis kit of tubercle bacillus

JOURNAL Patent: JP 2001103981-A 79 17-APR-2001;

NISSINBO IND INC.SYSTEM RESEARCH CO LTD

OS Mycobacterium tuberculosis

PN JP 2001103981-A/79

PD 17-APR-2001

PF 26-JUL-2000 JP 2000225985

PI SADAHIKO SUZUKI, MICHIO NISHIDA, SOICHIRO TAKENISHI PC

CI2N15/09, CI2N15/09, CI2M1/00, CI2Q1/68// (CI2Q1/68, CI2R1:32), PC

(CI2Q1/68, CI2R1:325), (CI2Q1/68, CI2R1:33), CI2N15/00, CI2N15/00 CC

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FT /organism="Mycobacterium tuberculosis".

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BASE COUNT 3 a 4 c 6 g 3 t

Query Match 0.8%; Score 13; DB 1; Length 16;

Best Local Similarity 100.0%; Pred. No. 5.4e+02;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 793 GGTGAAGGACCTG 805

Db 1 GGTGAAGGACCTG 13

RESULT 428

AR005305/C

LOCUS AR005305 17 bp DNA linear PAT 04-DEC-1998

DEFINITION Sequence 35 from patent US 5747660.

ACCESSION AR005305

VERSION AR005305.1 GI:3966184

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 17)

AUTHORS Orlicky, D.J.

TITLE Nucleic acid encoding prostaglandin F.sub.2.alpha. receptor

JOURNAL regulatory protein

FEATURES Patent: US 5747660-A 35 05-MAY-1998;

source Location/Qualifiers

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BASE COUNT 4 a 6 c 7 g 0 t

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Best Local Similarity 100.0%; Pred. No. 5.5e+02;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 GCTGCTGCTGCG 166

Db 15 GCTGCTGCTGCG 3

RESULT 429

AX215364/C

LOCUS AX215364 17 bp mRNA linear PAT 07-SEP-2001

DEFINITION Sequence 806 from Patent WO0159103.

ACCESSION AX215364

VERSION AX215364.1 GI:15525407

KEYWORDS

SOURCE synthetic construct

ORGANISM synthetic construct

REFERENCE 1

AUTHORS Blatt, L., Meswigen, J. and Chowrira, B.M.

TITLE Method and reagent for the modulation and diagnosis of cd20 and

JOURNAL nogo gene expression

FEATURES Patent: WO 0159103-A 806 16-AUG-2001;

RIBOZYME PHARMACEUTICALS, INC.(US) ; Blatt, Lawrence (US) ;

McSwiggen, James (US) ; Chowrira, Bharat M. (US)

source Location/Qualifiers

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/organism="synthetic construct"

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Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 17 CGTCTCGGCTC 5

RESULT 430

AX215365/C

LOCUS AX215365 17 bp mRNA linear PAT 07-SEP-2001

DEFINITION Sequence 807 from Patent WO0159103.

ACCESSION AX215365

VERSION AX215365.1 GI:15525408

KEYWORDS

SOURCE synthetic construct

ORGANISM synthetic construct

REFERENCE 1

AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 807 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 16 CGTCCTCGGGCTC 4
AX216111
LOCUS AX216111 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1553 from Patent WO0159103.
ACCESSION AX216111
VERSION AX216111.1 GI:15526154
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 1553 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 15 CGTCCTCGGGCTC 3
AX216346
LOCUS AX216346 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1788 from Patent WO0159103.
ACCESSION AX216346
VERSION AX216346.1 GI:15526407
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 1788 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);

McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
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/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT 1 a 8 c 8 g 0 t
Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1373 GCGCGGGCGGCA 1385
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Db 5 GCGCGGGCGGCA 17
AX216896
LOCUS AX216896 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2338 from Patent WO0159103.
ACCESSION AX216896
VERSION AX216896.1 GI:15526957
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 2338 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
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Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1374 GCGCGGGCGGCGAG 1386
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Db 1 GCGCGGGCGGCGAG 13
AX216909
LOCUS AX216909 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2351 from Patent WO0159103.
ACCESSION AX216909
VERSION AX216909.1 GI:15526970
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 2351 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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/mol_type="mRNA"

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/notes="Nucleic Acid"
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Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1011 CGTCTCGGGCTC 1023
Db 13 CGTCTCGGGCTC 1
RESULT 435
AX532240/c 17 bp DNA linear PAT 22-NOV-2002
LOCUS
DEFINITION Sequence 1749 from Patent EP1239051.
ACCESSION AX532240
VERSION AX532240.1 GI:25256267
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 1749 11-SEP-2002;
Aecomica, Inc. (US)
FEATURES
source
1..17
Location/Qualifiers
BASE COUNT 2 a 7 c 7 g 1 t
Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 838 CCAGGCGCGGCTG 850
Db 16 CCAGGCGCGGCTG 4
RESULT 436
AX532241/c 17 bp DNA linear PAT 22-NOV-2002
LOCUS
DEFINITION Sequence 1750 from Patent EP1239051.
ACCESSION AX532241
VERSION AX532241.1 GI:25256269
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 1750 11-SEP-2002;
Aecomica, Inc. (US)
FEATURES
source
1..17
Location/Qualifiers
BASE COUNT 3 a 7 c 6 g 1 t
Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 838 CCAGGCGCGGCTG 850
Db 13 CCAGGCGCGGCTG 1
RESULT 437
AX532242/c 17 bp DNA linear PAT 22-NOV-2002
LOCUS
DEFINITION Sequence 1751 from Patent EP1239051.
ACCESSION AX532242
VERSION AX532242.1 GI:25256270
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 1751 11-SEP-2002;
Aecomica, Inc. (US)
FEATURES
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Location/Qualifiers
BASE COUNT 3 a 7 c 6 g 1 t
Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 838 CCAGGCGCGGCTG 850
Db 14 CCAGGCGCGGCTG 2
RESULT 438
AX532243/c 17 bp DNA linear PAT 22-NOV-2002
LOCUS
DEFINITION Sequence 1752 from Patent EP1239051.
ACCESSION AX532243
VERSION AX532243.1 GI:25256271
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 1752 11-SEP-2002;
Aecomica, Inc. (US)
FEATURES
source
1..17
Location/Qualifiers
BASE COUNT 2 a 7 c 6 g 2 t
Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 838 CCAGGCGCGGCTG 850
Db 13 CCAGGCGCGGCTG 1
RESULT 439
AX724723 17 bp DNA linear PAT 08-MAY-2003
LOCUS
DEFINITION Sequence 2410 from Patent WO03025176.
ACCESSION AX724723
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[illegible]

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JOURNAL Patent: WO 03031625-A 27 17-APR-2003;
Degussa AG (DE) ; Schwab, Helmut (AT)
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    /organism="synthetic construct"
    /mol_type="genomic DNA"
    /db_xref="taxon:32630"
    /note="Primer"
BASE COUNT      3 a      3 g      4 t
Query Match      0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 5.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 481 CATCTCGGTGATGAAC 496
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Db 16 CATCTCGGTGAGGAAC 1

RESULT 449
BD065657
LOCUS      16 bp      DNA      linear      PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065657
VERSION BD065657.1 GI:22611260
KEYWORDS JP 2001511000-A/292.
SOURCE      unidentified
ORGANISM      unclassified.
REFERENCE 1 (bases 1 to 16)
AUTHORS Schlingensiefen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 292 07-AUG-2001;
BIOLOGISTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
OS Unknown
PN JP 2001511000-A/292
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEFEN,WOLFGANG BRYSCH
PC C12N15/11,C07H1/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
  Location/Qualifiers
  FT source 1..16
  FT /organism='Unknown'
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    /mol_type="genomic DNA"
    /db_xref="taxon:32644"
BASE COUNT      0 a      3 c      12 g      1 t
Query Match      0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 5.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGCGCGG 1383
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Db 1 GCGGTGGCGGCGCGG 16

RESULT 450
BD088650
LOCUS      16 bp      DNA      linear      PAT 27-AUG-2002
DEFINITION A method of arraying genome clone.
ACCESSION BD088650
VERSION BD088650.1 GI:22634260
KEYWORDS JP 2001321190-A/894.
SOURCE      synthetic construct
ORGANISM      synthetic construct
  artificial sequences.
REFERENCE 1 (bases 1 to 16)
AUTHORS Soeda,E.

TITLE A method of arraying genome clone
JOURNAL Patent: JP 2001321190-A 894 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
GENOTECHS
COMMENT
OS Artificial Sequence
PN JP 2001321190-A/894
PD 20-NOV-2001
PF 12-MAR-2001 JP 2001068285
PI EIICHI SOEDA
PC C12N15/09,C12N15/09,C12M1/00,C12Q1/68,G01N33/53,G01N33/566, PC
  C12N15/00.
PC C12N15/00
CC Description of Artificial Sequence:Synthetic DNA FH Key
  Location/Qualifiers
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  FT /organism='Artificial Sequence'.
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    Location/Qualifiers
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    /mol_type="genomic DNA"
    /db_xref="taxon:32630"
BASE COUNT      3 a      7 c      3 g      3 t
Query Match      0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 5.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 544 TGGCCCACTCTCAGAG 559
  ||||| ||||| |||||
Db 1 TGGCCCACTCTCATAG 16

RESULT 451
AB069179
LOCUS      16 bp      DNA      linear      SYN 21-MAY-2003
DEFINITION Synthetic construct DNA, reverse primer for human STS sts-W37905 at
  1p36.
ACCESSION AB069179
VERSION AB069179.1 GI:15129983
KEYWORDS synthetic construct
SOURCE      synthetic construct
ORGANISM      artificial sequences.
REFERENCE 1
AUTHORS Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K.,
  Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
  Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
  and Soeda,E.
  A BAC-based STS-content map spanning a 35-Mb region of human
  chromosome 1p35-p36
  Genomics 74 (1), 55-70 (2001)
  21269192
  MEDLINE 11374902
  PUBMED
REFERENCE 2 (bases 1 to 16)
AUTHORS Horii,A.
TITLE Direct Submission
JOURNAL Submitted (04-AUG-2001) Akira Horii, Tohoku University School of
  Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai,
  Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp,
  Tel:81-22-717-8042, Fax:81-22-717-8047)
  Location/Qualifiers
  FT source 1..16
  FT /organism="synthetic construct"
  /mol_type="genomic DNA"
  /db_xref="taxon:32630"
  misc_feature 1..16
  /note="reverse primer for human STS sts-W37905 at 1p36
    sts-W37905 obtained from clones B272H12, B51C6, B288N8,
    B191P23, B191O23, B43P7, B43N9, B9D, B304H10, Human BAC
    library RPCI-11"
BASE COUNT      3 a      7 c      3 g      3 t
Query Match      0.8%; Score 12.8; DB 1; Length 16;

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Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 544 TGGCCACCACTAGAG 559
Db 1 TGGCCCCCACTCATAG 16

RESULT 452
A26883/c
LOCUS A26883 17 bp DNA linear PAT 24-JUL-1996
DEFINITION Primer no.2.
ACCESSION A26883
VERSION A26883.1 GI:1566920
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Macadam,A.J., Minor,P.D., Stone,D.M. and Almond,J.W.
TITLE Attenuated poliovirus and vaccines thereof
JOURNAL Patent: EP 0508783-A 2 14-OCT-1992;
BRITISH TECHNOLOGY GROUP LTD
FEATURES
source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630" 4 t
BASE COUNT 6 a 4 c 3 g 4 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 468 TGAACGCTTTGGCCAT 483
Db 17 TGAATGCTATGGCCAT 2

RESULT 453
A27314/c
LOCUS A27314 17 bp DNA linear PAT 26-SEP-1995
DEFINITION Synthetic betaglic linker 2.
ACCESSION A27314
VERSION A27314.1 GI:1248430
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Seemann,G., Bosslet,K., Czech,J., Kolar,C., Hoffmann,D. and Sedlacek,H.H.
TITLE Fusion proteins with monoclonal antibody, Linker and beta Glucuronidase for prodrug activation; preparation and use thereof
JOURNAL Patent: EP 0501215-A 6 02-SEP-1992;
BEHRINGERWERKE Aktiengesellschaft
FEATURES
source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630" 1 t
BASE COUNT 1 a 10 c 5 g 1 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 CGGGGGCGGGCGCGG 1383
Db 16 GCAGCGGGCGGGCGGG 1

RESULT 454
A89622
LOCUS A89622 17 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 6 from Patent WO9833901.
ACCESSION A89622
VERSION A89622.1 GI:6738192
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Collins,J. and Roettgen,P.
TITLE GENERATION OF DIVERSITY IN COMBINATORIAL LIBRARIES
JOURNAL Patent: WO 9833901-A 6 06-AUG-1998;
COLLINS JOHN (DE); ROETTGEN PETER (DE)
FEATURES
source
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644" 3 t
BASE COUNT 3 a 4 c 7 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 762 CGGTGCACCTGGAGCA 777
Db 2 CGGGTACCTGGAGCA 17

RESULT 455
AR039947
LOCUS AR039947 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 795 from patent US 5807743.
ACCESSION AR039947
VERSION AR039947.1 GI:5959310
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb,D.T. and McSwiggen,J.A.
TITLE Interleukin-2 receptor gamma-chain ribozymes
JOURNAL Patent: US 5807743-A 795 15-SEP-1998;
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/organism="unknown"
/mol_type="genomic DNA"
/db_xref="taxon:32644" 1 a 5 c 7 g 4 t
BASE COUNT 1 a 5 c 7 g 4 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1016 TCGGGCTCGGGCGCGC 1031
Db 2 TCGGGTTCGGAGCGCG 17

RESULT 456
AR053045/c
LOCUS AR053045 17 bp DNA linear PAT 29-SEP-1999
DEFINITION Sequence 15 from patent US 5834181.
ACCESSION AR053045
VERSION AR053045.1 GI:5977907
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Shuber,A.P.
TITLE High throughput screening method for sequences or genetic alterations in nucleic acids
JOURNAL Patent: US 5834181-A 15 10-NOV-1998;

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FEATURES	source	Location/Qualifiers
BASE COUNT	3 a 5 c 7 g	2 t
Query Match	0.8%;	Score 12.8; DB 1; Length 17;
Best Local Similarity	87.5%;	Pred. No. 5.9e+02;
Matches 14;	Conservative 0;	Mismatches 2; Indels 0; Gaps 0;
QY	1514 CTGGGCATGGCGGTCA 1529	
Db	17 CTGCCCATGGCGGTCA 2	
RESULT 457		
AR053062/c		
LOCUS	AR053062	17 bp DNA linear PAT 29-SEP-1999
DEFINITION	Sequence 32 from patent US 5834181.	
ACCESSION	AR053062	
VERSION	AR053062.1 GI:5977924	
KEYWORDS	Unknown.	
SOURCE	Unknown.	
ORGANISM	Unclassified.	
REFERENCE	1 (bases 1 to 17)	
AUTHORS	Shuber,A.P.	
TITLE	High throughput screening method for sequences or genetic alterations in nucleic acids	
JOURNAL	Patent: US 5834181-A 32 10-NOV-1998;	
FEATURES	Location/Qualifiers	
source	1. 17	
BASE COUNT	3 a 5 c 6 g 3 t	
Query Match	0.8%;	Score 12.8; DB 1; Length 17;
Best Local Similarity	87.5%;	Pred. No. 5.9e+02;
Matches 14;	Conservative 0;	Mismatches 2; Indels 0; Gaps 0;
QY	1514 CTGGGCATGGCGGTCA 1529	
Db	17 CTGCACATGGCGGTCA 2	
RESULT 458		
AR065006/c		
LOCUS	AR065006	17 bp DNA linear PAT 29-SEP-1999
DEFINITION	Sequence 15 from patent US 5849483.	
ACCESSION	AR065006	
VERSION	AR065006.1 GI:5995222	
KEYWORDS	Unknown.	
SOURCE	Unknown.	
ORGANISM	Unclassified.	
REFERENCE	1 (bases 1 to 17)	
AUTHORS	Shuber,A.P.	
TITLE	High throughput screening method for sequences or genetic alterations in nucleic acids	
JOURNAL	Patent: US 5849483-A 15 15-DEC-1998;	
FEATURES	Location/Qualifiers	
source	1. 17	
BASE COUNT	3 a 5 c 7 g 2 t	
Query Match	0.8%;	Score 12.8; DB 1; Length 17;
Best Local Similarity	87.5%;	Pred. No. 5.9e+02;
Matches 14;	Conservative 0;	Mismatches 2; Indels 0; Gaps 0;
QY	1514 CTGGGCATGGCGGTCA 1529	
Db	17 CTGCCCATGGCGGTCA 2	
RESULT 459		

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BASE COUNT      3 a      4 c      7 g      3 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 762 CGGTGCACCTGGAGCA 777
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Db 2 CGGGTACTGGAGCA 17
|||||

RESULT 462
ARI85974/c
LOCUS      ARI85974      17 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 1462 from patent US 6346398.
ACCESSION  ARI85974
VERSION     ARI85974.1 GI:20231939
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE    1 (bases 1 to 17)
AUTHORS     Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE       Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
JOURNAL     Patent: US 6346398-A 1462 12-FEB-2002;
FEATURES    Location/Qualifiers
            source      1. .17
            /organism="unknown"

BASE COUNT      3 a      4 c      5 g      5 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1447 CCACTGGTACTCGCAG 1462
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Db 1 CCACTGGTATTGGCAG 16
|||||

RESULT 465
ARI92381/c
LOCUS      ARI92381      17 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 7869 from patent US 6346398.
ACCESSION  ARI92381
VERSION     ARI92381.1 GI:20238346
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE    1 (bases 1 to 17)
AUTHORS     Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE       Method and reagent for the treatment of diseases or conditions
            related to levels of vascular endothelial growth factor receptor
JOURNAL     Patent: US 6346398-A 7869 12-FEB-2002;
FEATURES    Location/Qualifiers
            source      1. .17
            /organism="unknown"

BASE COUNT      1 a      8 c      2 g      6 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 499 GTGCCAGGAGTGAA 514
|||||
Db 17 GAGCCAGGAGTGAGA 2
|||||

RESULT 466
ARI224417/c
LOCUS      ARI224417      17 bp      DNA      linear      PAT 26-SEP-2002
DEFINITION Sequence 1 from patent US 6440726.
ACCESSION  ARI224417
VERSION     ARI224417.1 GI:23333196
KEYWORDS    .
SOURCE      Unknown.
ORGANISM    Unknown.
REFERENCE    1 (bases 1 to 17)
AUTHORS     Resnick,N.
TITLE       Expression vectors comprising multiple shear stress responsive
            elements (SSRE) and methods of use for treating disorders related
            to vasculogenesis and/or angiogenesis in a shear stress environment
JOURNAL     Patent: US 6440726-A 1 27-AUG-2002;
FEATURES    Location/Qualifiers
            source      1. .17
            /organism="unknown"

BASE COUNT      0 a      10 c      4 g      3 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 942 TGCTGCTCCGCGCC 957
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Db 2 TGCTGCTCCGCGCC 17
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RESULT 464
ARI88483
LOCUS      ARI88483      17 bp      DNA      linear      PAT 20-APR-2002

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BASE COUNT      0 a      2 c      15 g      0 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1547 GGGGCGGGGGAGGGG 1562
|||||
Db 1 GGGGCGGGGGCGGGG 16

RESULT 467
AR242714/c
LOCUS      AR242714      17 bp      DNA      linear      PAT 20-DEC-2002
DEFINITION Sequence 2 from patent US 6475486.
ACCESSION  AR242714
VERSION     AR242714.1 GI:27289218
KEYWORDS    Location/Qualifiers
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Kolar,C., Czech,J., Bosslet,K., Seemann,G., Sedlacek,H.-H. and Hoffmann,D.
TITLE       Glycosyl-etoside prodrugs, a process for preparation thereof and the use thereof in combination with functionalized tumor-specific enzyme conjugates
JOURNAL     Patent: US 6475486-A 2 05-NOV-2002;
FEATURES    Location/Qualifiers
source      1..17
            /organism="unknown"
BASE COUNT      1 a      10 c      5 g      1 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGCGGGCGGGCGG 1383
|||||
Db 16 GCAGCGGGCGGGCGG 1

RESULT 468
AR286220/c
LOCUS      AR286220      17 bp      RNA      linear      PAT 10-APR-2003
DEFINITION Sequence 592 from patent US 6528640.
ACCESSION  AR286220
VERSION     AR286220.1 GI:29723816
KEYWORDS    Location/Qualifiers
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A., Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE       Synthetic ribonucleic acids with RNase activity
JOURNAL     Patent: US 6528640-A 592 04-MAR-2003;
FEATURES    Location/Qualifiers
source      1..17
            /organism="unknown"
BASE COUNT      3 a      4 c      8 g      2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1502 GCCTCCACCCGCTGG 1517
|||||
Db 17 GCCTCCACCTCTCTGG 2

RESULT 469
AR286443
LOCUS      AR286443      17 bp      RNA      linear      PAT 10-APR-2003
DEFINITION Sequence 815 from patent US 6528640.
ACCESSION  AR286443
VERSION     AR286443.1 GI:29724039
KEYWORDS    Location/Qualifiers
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A., Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE       Synthetic ribonucleic acids with RNase activity
JOURNAL     Patent: US 6528640-A 815 04-MAR-2003;
FEATURES    Location/Qualifiers
source      1..17
            /organism="unknown"
BASE COUNT      2 a      3 c      10 g      2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1352 AGCGCGGGCGGGGACC 1367
|||||
Db 2 AGTGGCGGTGGGACC 17

RESULT 470
AX139196
LOCUS      AX139196      17 bp      DNA      linear      PAT 30-MAY-2001
DEFINITION Sequence 44 from Patent EP1076099.
ACCESSION  AX139196
VERSION     AX139196.1 GI:114274869
KEYWORDS    Location/Qualifiers
SOURCE      Mycobacterium tuberculosis
ORGANISM    Mycobacterium tuberculosis
REFERENCE   1
AUTHORS     Suzuki,Y., Nishida,M. and Takenishi,S.
TITLE       Kit for diagnosis of tubercle bacilli
JOURNAL     Patent: EP 1076099-A 44 14-FEB-2001;
            NISSHINO INDUSTRIES, INC. (JP) ; System Research Incorporation (JP)
FEATURES    Location/Qualifiers
source      1..17
            /organism="Mycobacterium tuberculosis"
            /mol_type="genomic DNA"
            /db_xref="taxon:1773"
            /note="capture"
BASE COUNT      1 a      6 c      9 g      1 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1370 GGGGCGGGCGGGCGCA 1385
|||||
Db 1 GCGCGCGGGCGGGCGCA 16

RESULT 471
AX214605/c
LOCUS      AX214605      17 bp      mRNA      linear      PAT 07-SEP-2001
DEFINITION Sequence 47 from Patent WO0159103.
ACCESSION  AX214605
VERSION     AX214605.1 GI:15524648
KEYWORDS    Location/Qualifiers
SOURCE      synthetic construct
ORGANISM    synthetic construct
            artificial sequences.

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REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 47 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
Location/Qualifiers
0 a 13 c 2 g 2 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1549 GCGCGGGGAGGGCG 1564
|||||
Db 17 GCGCGGGGAGGGCG 2
RESULT 472
AX215323/c
LOCUS AX215323 765 from Patent WO0159103. linear PAT 07-SEP-2001
DEFINITION Sequence 765 from Patent WO0159103.
ACCESSION AX215323
VERSION AX215323.1 GI:15525366
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 765 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
Location/Qualifiers
2 a 6 c 8 g 1 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1404 CAGGTGCTGCGACGC 1419
|||||
Db 16 CAGGTGCTGCGCGCG 1
RESULT 473
AX215324/c
LOCUS AX215324 766 from Patent WO0159103. linear PAT 07-SEP-2001
DEFINITION Sequence 766 from Patent WO0159103.
ACCESSION AX215324
VERSION AX215324.1 GI:15525367
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 766 16-AUG-2001;

RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
Location/Qualifiers
3 a 6 c 7 g 1 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1400 GCTCAGTGCTGCCG 1415
|||||
Db 17 GCTCAGTGCTGCCG 2
RESULT 474
AX215378/c
LOCUS AX215378 820 from Patent WO0159103. linear PAT 07-SEP-2001
DEFINITION Sequence 820 from Patent WO0159103.
ACCESSION AX215378
VERSION AX215378.1 GI:15525421
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 820 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
source
1. .17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
Location/Qualifiers
2 a 9 c 5 g 1 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1041 GCGCACTGGGCGCTCG 1056
|||||
Db 16 GCGCACTGGGCGCGCG 1
RESULT 475
AX215389/c
LOCUS AX215389 831 from Patent WO0159103. linear PAT 07-SEP-2001
DEFINITION Sequence 831 from Patent WO0159103.
ACCESSION AX215389
VERSION AX215389.1 GI:15525432
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
JOURNAL Patent: WO 0159103-A 831 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES
source
1. .17
/organism="synthetic construct"

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Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

BASE COUNT      0 a      10 c      6 g      1 t

QY 1371 GGGCGCGCGCGGCAG 1386
Db 17 GCGCGCGCGCGGCAG 2

RESULT 476
AX215398 LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION      Sequence 840 from Patent WO0159103.
ACCESSION      AX215398
VERSION      AX215398.1 GI:15525441
KEYWORDS      .
SOURCE      synthetic construct
ORGANISM      synthetic construct
              artificial sequences.
REFERENCE      1
AUTHORS      Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL      nogo gene expression
              Patent: WO 0159103-A 840 16-AUG-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
              McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES      Location/Qualifiers
              source
              1..17
              /organism="synthetic construct"
              /mol_type="mRNA"
              /db_xref="taxon:32630"
              /note="Nucleic Acid"
BASE COUNT      1 a      8 c      8 g      0 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 802 COTGAGCCCGCGGCAG 817
Db 2 CCGCGCGCGCGGCAG 17

RESULT 477
AX215400 LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION      Sequence 842 from Patent WO0159103.
ACCESSION      AX215400
VERSION      AX215400.1 GI:15525443
KEYWORDS      .
SOURCE      synthetic construct
ORGANISM      synthetic construct
              artificial sequences.
REFERENCE      1
AUTHORS      Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL      nogo gene expression
              Patent: WO 0159103-A 842 16-AUG-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
              McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES      Location/Qualifiers
              source
              1..17
              /organism="synthetic construct"
              /mol_type="mRNA"
              /db_xref="taxon:32630"
              /note="Nucleic Acid"
BASE COUNT      1 a      9 c      7 g      0 t

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Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 803 CTGAGCCCGCGGCAGC 818
Db 1 CGCGCGCGCGGCAGC 16

RESULT 478
AX215460 LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION      Sequence 902 from Patent WO0159103.
ACCESSION      AX215460
VERSION      AX215460.1 GI:15525503
KEYWORDS      .
SOURCE      synthetic construct
ORGANISM      synthetic construct
              artificial sequences.
REFERENCE      1
AUTHORS      Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL      nogo gene expression
              Patent: WO 0159103-A 902 16-AUG-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
              McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES      Location/Qualifiers
              source
              1..17
              /organism="synthetic construct"
              /mol_type="mRNA"
              /db_xref="taxon:32630"
              /note="Nucleic Acid"
BASE COUNT      1 a      12 c      2 g      2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1549 GGCGCGCGGAGGCGG 1564
Db 16 GGCGCGGAGGAGGCGG 1

RESULT 479
AX215727 LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION      Sequence 1169 from Patent WO0159103.
ACCESSION      AX215727
VERSION      AX215727.1 GI:15525770
KEYWORDS      .
SOURCE      synthetic construct
ORGANISM      synthetic construct
              artificial sequences.
REFERENCE      1
AUTHORS      Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL      nogo gene expression
              Patent: WO 0159103-A 1169 16-AUG-2001;
              RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
              McSwiggen, James (US); Chowrira, Bharat M. (US)
FEATURES      Location/Qualifiers
              source
              1..17
              /organism="synthetic construct"
              /mol_type="mRNA"
              /db_xref="taxon:32630"
              /note="Nucleic Acid"
BASE COUNT      2 a      6 c      2 g      7 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 786 CCAAGCTGTGAAGGA 801

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Db      16 CAAACTGGTGAAGGA 1
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RESULT 480
AX216350/c
LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1792 from Patent WO0159103.
ACCESSION AX216350
VERSION    AX216350.1 GI:15526411
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL    nogo gene expression
PATENT: WO 0159103-A 1792 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES   Location/Qualifiers
source     1..17
            /organism="synthetic construct"
            /mol_type="mRNA"
            /db_xref="taxon:32630"
            /note="Nucleic Acid"
BASE COUNT  4 a 6 c 6 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1400 GCTCCAGGCTGCTCCG 1415
|||||
Db      16 GCTGCAGCTGCTCCG 1

RESULT 481
AX216369/c
LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1811 from Patent WO0159103.
ACCESSION AX216369
VERSION    AX216369.1 GI:15526430
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL    nogo gene expression
PATENT: WO 0159103-A 1811 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES   Location/Qualifiers
source     1..17
            /organism="synthetic construct"
            /mol_type="mRNA"
            /db_xref="taxon:32630"
            /note="Nucleic Acid"
BASE COUNT  1 a 7 c 6 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1044 CACTGGGGCTCTCGGC 1059
|||||
Db      17 CACTGGGGCGCGGCAC 2

RESULT 482
AX216370/c
LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1812 from Patent WO0159103.
ACCESSION AX216370
VERSION    AX216370.1 GI:15526431
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL    nogo gene expression
PATENT: WO 0159103-A 1812 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES   Location/Qualifiers
source     1..17
            /organism="synthetic construct"
            /mol_type="mRNA"
            /db_xref="taxon:32630"
            /note="Nucleic Acid"
BASE COUNT  2 a 10 c 4 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1038 GGGCGCGCACTGGGGCC 1053
|||||
Db      17 GGTGGGCACTGGGGCC 2

RESULT 483
AX216371/c
LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 1813 from Patent WO0159103.
ACCESSION AX216371
VERSION    AX216371.1 GI:15526432
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE      Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL    nogo gene expression
PATENT: WO 0159103-A 1813 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES   Location/Qualifiers
source     1..17
            /organism="synthetic construct"
            /mol_type="mRNA"
            /db_xref="taxon:32630"
            /note="Nucleic Acid"
BASE COUNT  0 a 10 c 6 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1370 GGGCGCGCGCGCGGCA 1385
|||||
Db      16 GGGCGCGCGCGCGGCA 1

RESULT 484
AX216894
LOCUS      17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2336 from Patent WO0159103.
ACCESSION AX216894
VERSION    AX216894.1 GI:15526955

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KEYWORDS
SOURCE      synthetic construct
ORGANISM    synthetic construct
            artificial sequences.
REFERENCE 1
AUTHORS     Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE       Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
JOURNAL     RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT      0 a      8 c      9 g      0 t
Query Match      0.8% ; Score 12.8 ; DB 1 ; Length 17 ;
Best Local Similarity 87.5% ; Pred. No. 5.9e+02 ;
Matches 14 ; Conservative 0 ; Mismatches 2 ; Indels 0 ; Gaps 0 ;

QY 1366 CCGCGGGGGCGGCGCGC 1381
Db      |||||
        2 CCGCGGGGGCGGCGCGC 17

RESULT 485
LOCUS    AX216952                17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2394 from Patent WO0159103.
ACCESSION AX216952
VERSION   AX216952.1 GI:15527013
KEYWORDS
SOURCE    synthetic construct
ORGANISM  synthetic construct
            artificial sequences.
REFERENCE 1
AUTHORS   Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
JOURNAL   RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT      1 a      9 c      7 g      0 t
Query Match      0.8% ; Score 12.8 ; DB 1 ; Length 17 ;
Best Local Similarity 87.5% ; Pred. No. 5.9e+02 ;
Matches 14 ; Conservative 0 ; Mismatches 2 ; Indels 0 ; Gaps 0 ;

QY 805 GAGCCCCGGGACCGC 820
Db      |||||
        2 GCGCCCCGGGACCGC 17

RESULT 486
LOCUS    AX216953                17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2395 from Patent WO0159103.
ACCESSION AX216953
VERSION   AX216953.1 GI:15527014
KEYWORDS
SOURCE    synthetic construct
ORGANISM  synthetic construct
            artificial sequences.
REFERENCE 1
AUTHORS   Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
JOURNAL   RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT      1 a      9 c      7 g      0 t
Query Match      0.8% ; Score 12.8 ; DB 1 ; Length 17 ;
Best Local Similarity 87.5% ; Pred. No. 5.9e+02 ;
Matches 14 ; Conservative 0 ; Mismatches 2 ; Indels 0 ; Gaps 0 ;

QY 805 GAGCCCCGGGACCGC 820
Db      |||||
        2 GCGCCCCGGGACCGC 17

RESULT 487
LOCUS    AX218005                17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 3447 from Patent WO0159103.
ACCESSION AX218005
VERSION   AX218005.1 GI:15528066
KEYWORDS
SOURCE    synthetic construct
ORGANISM  synthetic construct
            artificial sequences.
REFERENCE 1
AUTHORS   Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
JOURNAL   RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT      10 a      0 c      3 g      4 t
Query Match      0.8% ; Score 12.8 ; DB 1 ; Length 17 ;
Best Local Similarity 87.5% ; Pred. No. 5.9e+02 ;
Matches 14 ; Conservative 0 ; Mismatches 2 ; Indels 0 ; Gaps 0 ;

QY 408 TTAAGGATGAGAGAAA 423
Db      |||||
        1 TTAAGGATGAGAGAAA 16

RESULT 488
LOCUS    AX218198                17 bp mRNA linear PAT 08-SEP-2001
DEFINITION Sequence 3640 from Patent WO0159103.
ACCESSION AX218198
VERSION   AX218198.1 GI:15528259
KEYWORDS
SOURCE    synthetic construct
ORGANISM  synthetic construct
            artificial sequences.
REFERENCE 1
AUTHORS   Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
JOURNAL   RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT      10 a      0 c      3 g      4 t
Query Match      0.8% ; Score 12.8 ; DB 1 ; Length 17 ;
Best Local Similarity 87.5% ; Pred. No. 5.9e+02 ;
Matches 14 ; Conservative 0 ; Mismatches 2 ; Indels 0 ; Gaps 0 ;

QY 408 TTAAGGATGAGAGAAA 423
Db      |||||
        1 TTAAGGATGAGAGAAA 16

RESULT 489
LOCUS    AX218198                17 bp mRNA linear PAT 08-SEP-2001
DEFINITION Sequence 3640 from Patent WO0159103.
ACCESSION AX218198
VERSION   AX218198.1 GI:15528259
KEYWORDS
SOURCE    synthetic construct
ORGANISM  synthetic construct
            artificial sequences.
REFERENCE 1
AUTHORS   Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE     Method and reagent for the modulation and diagnosis of cd20 and
            nogo gene expression
JOURNAL   RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
            McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1..17
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT      10 a      0 c      3 g      4 t
Query Match      0.8% ; Score 12.8 ; DB 1 ; Length 17 ;
Best Local Similarity 87.5% ; Pred. No. 5.9e+02 ;
Matches 14 ; Conservative 0 ; Mismatches 2 ; Indels 0 ; Gaps 0 ;

QY 408 TTAAGGATGAGAGAAA 423
Db      |||||
        1 TTAAGGATGAGAGAAA 16

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McSwiggen, James (US) ; Chowrira, Bharat M. (US)

Location/Qualifiers

1..17

/organism="synthetic construct"

/mol_type="mRNA"

/db_xref="taxon:32630"

/note="Nucleic Acid"

BASE COUNT 8 a 0 c 3 g 6 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 5.9e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 407 TTTAAGGATGAGAAA 422

Db 2 TTTAAGGATGATAAAA 17

RESULT 489

AX239680

LOCUS AX239680 17 bp DNA linear PAT 26-SEP-2001

DEFINITION Sequence 20 from Patent WO0164948.

ACCESSION AX239680

VERSION AX239680.1 GI:15797345

KEYWORDS synthetic construct

SOURCE synthetic construct

ORGANISM artificial sequences.

REFERENCE 1

AUTHORS van Haeringen, W.A. and van Haeringen, H.

TITLE Universal variable fragments

JOURNAL Patent: WO 0164948-A 20 07-SEP-2001;

Dr. van Haeringen Laboratorium B.V. (NL)

FEATURES

Location/Qualifiers

1..17

/organism="synthetic construct"

/mol_type="genomic DNA"

/db_xref="taxon:32630"

/note="primer"

BASE COUNT 8 a 8 c 1 g 0 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 5.9e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 69 GCGACACGACACAC 84

Db 1 GCGACACACACACAC 16

RESULT 490

AX272860/c

LOCUS AX272860 17 bp mRNA linear PAT 29-OCT-2001

DEFINITION Sequence 429 from Patent WO0162911.

ACCESSION AX272860

VERSION AX272860.1 GI:16545597

KEYWORDS Homo sapiens (human)

SOURCE Homo sapiens

ORGANISM Homo sapiens

REFERENCE 1

AUTHORS Jarvis, T., von Carlowitz, I., McSwiggen, J.A., Hamblin, P.A. and

Ellis, J.H.

TITLE Method and reagent for the inhibition of grid

JOURNAL Patent: WO 0162911-A 429 30-AUG-2001;

RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)

FEATURES

Location/Qualifiers

1..17

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

BASE COUNT 3 a 4 c 9 g 1 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 5.9e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1282 CGCGCCCTCCGCGCTG 1297

Db 16 CTCGCCCTCGCGCTG 1

RESULT 491

AX273062/c

LOCUS AX273062 17 bp mRNA linear PAT 29-OCT-2001

DEFINITION Sequence 631 from Patent WO0162911.

ACCESSION AX273062

VERSION AX273062.1 GI:16545799

KEYWORDS Homo sapiens (human)

SOURCE Homo sapiens

ORGANISM Homo sapiens

REFERENCE 1

AUTHORS Jarvis, T., von Carlowitz, I., McSwiggen, J.A., Hamblin, P.A. and

Ellis, J.H.

TITLE Method and reagent for the inhibition of grid

JOURNAL Patent: WO 0162911-A 631 30-AUG-2001;

RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)

FEATURES

Location/Qualifiers

1..17

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

BASE COUNT 3 a 5 c 8 g 1 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 5.9e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1286 CCCTTCGCGCTGGCGC 1301

Db 17 CCCTGCGCGCTGGAGC 2

RESULT 492

AX325861/c

LOCUS AX325861 17 bp DNA linear PAT 02-SEP-2002

DEFINITION Sequence 1999 from Patent WO0192512.

ACCESSION AX325861

VERSION AX325861.1 GI:18096620

KEYWORDS Oryza glaberrima (African rice)

SOURCE Oryza glaberrima

ORGANISM Oryza glaberrima

REFERENCE 1

AUTHORS Kniac, E.B., Camper, H.B., Rice, M.C. and Kim, J.

TITLE Targeted chromosomal genomic alterations in plants using modified

JOURNAL single stranded oligonucleotides

Patent: WO 0192512-A 1999 06-DEC-2001;

UNIVERSITY OF DELAWARE (US)

FEATURES

Location/Qualifiers

1..17

/organism="Oryza glaberrima"

/mol_type="genomic DNA"

/db_xref="taxon:4538"

BASE COUNT 1 a 6 c 7 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 5.9e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 880 CGCGACGACGCGGCC 895

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Db      16 CAGCGACTACGGCGCC 1
|||||
RESULT 493
AX325862
LOCUS      AX325862
DEFINITION Sequence 2000 from Patent WO0192512.
ACCESSION AX325862
VERSION    AX325862.1 GI:18096621
KEYWORDS
SOURCE     Oryza glaberrima (African rice)
ORGANISM   Oryza glaberrima
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
REFERENCE 1
AUTHORS   Kmiec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
TITLE     Targeted chromosomal genomic alterations in plants using modified
          single stranded oligonucleotides
JOURNAL   Patent: WO 0192512-A 2000 06-DEC-2001;
          UNIVERSITY OF DELAWARE (US)
FEATURES   Location/Qualifiers
            source
              1..17
                /organism="Oryza glaberrima"
                /mol_type="genomic DNA"
                /db_xref="taxon:4530"
            BASE COUNT      3 a      7 c      6 g      1 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      880 CCGCGACGACGGCGCC 895
|||||
Db      2 CAGCGACTACGGCGCC 17

RESULT 494
AX325861/c
LOCUS      AX325861/c
DEFINITION Sequence 2019 from Patent WO0192512.
ACCESSION AX325861
VERSION    AX325861.1 GI:18096640
KEYWORDS
SOURCE     Oryza sativa
ORGANISM   Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
REFERENCE 1
AUTHORS   Kmiec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
TITLE     Targeted chromosomal genomic alterations in plants using modified
          single stranded oligonucleotides
JOURNAL   Patent: WO 0192512-A 2019 06-DEC-2001;
          UNIVERSITY OF DELAWARE (US)
FEATURES   Location/Qualifiers
            source
              1..17
                /organism="Oryza sativa"
                /mol_type="genomic DNA"
                /db_xref="taxon:4530"
            BASE COUNT      1 a      6 c      7 g      3 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      880 CCGCGACGACGGCGCC 895
|||||
Db      2 CAGCGACTACGGCGCC 17

RESULT 495
AX325882
LOCUS      AX325882
DEFINITION Sequence 2020 from Patent WO0192512.
ACCESSION AX325882
VERSION    AX325882.1 GI:18096641
KEYWORDS
SOURCE     Oryza sativa
ORGANISM   Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
REFERENCE 1
AUTHORS   Kmiec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
TITLE     Targeted chromosomal genomic alterations in plants using modified
          single stranded oligonucleotides
JOURNAL   Patent: WO 0192512-A 2020 06-DEC-2001;
          UNIVERSITY OF DELAWARE (US)
FEATURES   Location/Qualifiers
            source
              1..17
                /organism="Oryza sativa"
                /mol_type="genomic DNA"
                /db_xref="taxon:4530"
            BASE COUNT      3 a      7 c      6 g      1 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      880 CCGCGACGACGGCGCC 895
|||||
Db      2 CAGCGACTACGGCGCC 17

RESULT 496
AX421845
LOCUS      AX421845
DEFINITION Sequence 181 from Patent WO0188124.
ACCESSION AX421845
VERSION    AX421845.1 GI:21525227
KEYWORDS
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS   Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
          Randi,A.M.
TITLE     Method and reagent for the inhibition of erg
JOURNAL   Patent: WO 0188124-A 181 22-NOV-2001;
          RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES   Location/Qualifiers
            source
              1..17
                /organism="Homo sapiens"
                /mol_type="mRNA"
                /db_xref="taxon:9606"
            BASE COUNT      3 a      4 c      5 g      5 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      963 TGCCTTTTGTGGCGCC 978
|||||
Db      2 TGAACCTTTGTGGCGCC 17

RESULT 497
AX422332
LOCUS      AX422332
DEFINITION Sequence 668 from Patent WO0188124.
ACCESSION AX422332
VERSION    AX422332.1 GI:21525714
KEYWORDS
SOURCE

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SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.

TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 668 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)

FEATURES
 source
 1. .17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"

BASE COUNT 4 a 9 c 2 g 2 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 377 CTCACCCCAATTACA 392 17 bp mRNA linear PAT 18-JUN-2002
 Sequence 1084 from Patent WO0188124.
 DEFINITION AX422748
 ACCESSION AX422748
 VERSION AX422748.1 GI:21526130

Db 2 CTCACCCCAATTACA 17

SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.

TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1084 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)

FEATURES
 source
 1. .17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"

BASE COUNT 2 a 4 c 6 g 5 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 893 GCCAAGAAGCTCTTCT 908
 Sequence 1250 from Patent WO0188124.
 DEFINITION AX422914
 ACCESSION AX422914
 VERSION AX422914.1 GI:21526296

Db 17 GCCAAGAAGCTCTTCT 2

SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.

TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1250 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)

FEATURES
 source
 1. .17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"

TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1085 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)

FEATURES
 source
 1. .17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"

BASE COUNT 2 a 4 c 5 g 6 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 893 GCCAAGAAGCTCTTCT 908
 Sequence 1216 from Patent WO0188124.
 DEFINITION AX422880
 ACCESSION AX422880
 VERSION AX422880.1 GI:21526262

Db 16 GCCAAGAAGCTCTTCT 1

SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.

TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1216 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)

FEATURES
 source
 1. .17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"

BASE COUNT 5 a 7 c 2 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 390 ACAACCCCGACATCAT 405
 Sequence 1250 from Patent WO0188124.
 DEFINITION AX422914
 ACCESSION AX422914
 VERSION AX422914.1 GI:21526296

Db 1 ACAACCCCGACATCAT 16

SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and Randi, A.M.

TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1250 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)

FEATURES
 source
 1. .17
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"

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BASE COUNT      2 a      5 c      5 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 963 TGCTCTTTGTGGCGCC 978
Db 1 TGAACCTTTGTGGCGCC 16

RESULT 502
AX423093      17 bp mRNA linear PAT 18-JUN-2002
LOCUS
DEFINITION Sequence 1429 from Patent WO0188124.
ACCESSION AX423093
VERSION AX423093.1 GI:21526475
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
TITLE Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and
JOURNAL Randi, A.M.
METHOD Method and reagent for the inhibition of erg
RIBOZYME Patent: WO 0188124-A 1429 22-NOV-2001;
LOCATION/Qualifiers GLAXO GROUP LIMITED (GB)
FEATURES
source 1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT      5 a      9 c      2 g      1 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 379 CACCCCGCAATTACAC 394
Db 1 CACCCCGAGCTACAC 16

RESULT 503
AX499046      17 bp DNA linear PAT 27-SEP-2002
LOCUS
DEFINITION Sequence 353 from Patent EP1229046.
ACCESSION AX499046
VERSION AX499046.1 GI:23381339
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
TITLE Zhan, J.
JOURNAL Human testis expressed patched like protein
PATENT: EP 1229046-A 353 07-AUG-2002;
LOCATION/Qualifiers Aeomica, Inc. (US)
FEATURES
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      1 a      5 g      2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 636 CCCGCTGGCGTGA 651

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BASE COUNT      2 a      5 c      5 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 963 TGCTCTTTGTGGCGCC 978
Db 1 TGAACCTTTGTGGCGCC 16

RESULT 502
AX423093      17 bp mRNA linear PAT 18-JUN-2002
LOCUS
DEFINITION Sequence 1429 from Patent WO0188124.
ACCESSION AX423093
VERSION AX423093.1 GI:21526475
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
TITLE Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and
JOURNAL Randi, A.M.
METHOD Method and reagent for the inhibition of erg
RIBOZYME Patent: WO 0188124-A 1429 22-NOV-2001;
LOCATION/Qualifiers GLAXO GROUP LIMITED (GB)
FEATURES
source 1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
BASE COUNT      5 a      9 c      2 g      1 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 379 CACCCCGCAATTACAC 394
Db 1 CACCCCGAGCTACAC 16

RESULT 503
AX499046      17 bp DNA linear PAT 27-SEP-2002
LOCUS
DEFINITION Sequence 353 from Patent EP1229046.
ACCESSION AX499046
VERSION AX499046.1 GI:23381339
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
TITLE Zhan, J.
JOURNAL Human testis expressed patched like protein
PATENT: EP 1229046-A 353 07-AUG-2002;
LOCATION/Qualifiers Aeomica, Inc. (US)
FEATURES
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      1 a      5 g      2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 636 CCCGCTGGCGTGA 651

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BASE COUNT      2 a      5 c      6 g      2 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 637 CCGCCTGGCGTGAG 652
Db 1 CCGCCTGGCGTGAG 16

RESULT 505
AX530991      17 bp DNA linear PAT 22-NOV-2002
LOCUS
DEFINITION Sequence 500 from Patent EP1239051.
ACCESSION AX530991
VERSION AX530991.1 GI:25253769
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
TITLE Shannon, M.
JOURNAL Human posh-like protein 1
PATENT: EP 1239051-A 500 11-SEP-2002;
LOCATION/Qualifiers Aeomica, Inc. (US)
FEATURES
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      3 a      3 c      10 g      1 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1418 GCTCCGGGTGGGGG 1433
Db 2 GCTCCGGGAGAGGGG 17

RESULT 506
AX530993      17 bp DNA linear PAT 22-NOV-2002
LOCUS
DEFINITION Sequence 502 from Patent EP1239051.
ACCESSION AX530993

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VERSION AX530993.1 GI:25253773
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 502 11-SEP-2002;
FEATURES Location/Qualifiers
source 1..17
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 4 c 9 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1419 CTCGGGTCGGGGGC 1434
Db 1 CTCGGGAGAGGGGC 16
RESULT 507
AX531072/c
LOCUS AX531072 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 581 from Patent EP1239051.
ACCESSION AX531072
VERSION AX531072.1 GI:25253926
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 581 11-SEP-2002;
FEATURES Location/Qualifiers
source 1..17
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 7 c 5 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 212 GGACTGGCGTGGCGAC 227
Db 17 GGACTGGCTGGCGAC 2
RESULT 508
AX531073/c
LOCUS AX531073 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 582 from Patent EP1239051.
ACCESSION AX531073
VERSION AX531073.1 GI:25253928
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 502 11-SEP-2002;
FEATURES Location/Qualifiers
source 1..17
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 4 c 9 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 212 GGACTGGCGTGGCGAC 227
Db 17 GGACTGGCTGGCGAC 2
RESULT 509
AX531302/c
LOCUS AX531302 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 811 from Patent EP1239051.
ACCESSION AX531302
VERSION AX531302.1 GI:25254390
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 811 11-SEP-2002;
FEATURES Location/Qualifiers
source 1..17
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 1 a 11 c 4 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1371 GGGCGCGCGCGCGAC 1386
Db 17 GGGCGCGCTGGCGAC 2
RESULT 510
AX531306/c
LOCUS AX531306 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 815 from Patent EP1239051.
ACCESSION AX531306
VERSION AX531306.1 GI:25254398
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Shannon,M.
TITLE Human posh-like protein 1
JOURNAL Patent: EP 1239051-A 815 11-SEP-2002;
FEATURES Location/Qualifiers
source 1..17
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 1 a 12 c 3 g 1 t
JOURNAL Patent: EP 1239051-A 582 11-SEP-2002;
FEATURES Location/Qualifiers
source 1..17
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 6 c 5 g 4 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 212 GGACTGGCGTGGCGAC 227
Db 16 GGACTGGCTGGCGAC 1
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Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGCGCGCGG 1383
Db 16 GCGGGGCGCGCTGGGG 1

RESULT 511
AX531619/c
LOCUS AX531619 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 1128 from Patent EP1239051.
ACCESSION AX531619
VERSION AX531619.1 GI:25255028
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1 Shannon,M.
AUTHORS Human posh-like protein 1
TITLE Patent: EP 1239051-A 1128 11-SEP-2002;
JOURNAL Aeomica, Inc. (US)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 4 a 2 c 9 g 2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1480 CACCTGGCTCCTGGAC 1495
Db 17 CACCTTCCTCCTGGAC 2

RESULT 512
AX531623/c
LOCUS AX531623 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 1132 from Patent EP1239051.
ACCESSION AX531623
VERSION AX531623.1 GI:25255035
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1 Shannon,M.
AUTHORS Human posh-like protein 1
TITLE Patent: EP 1239051-A 1132 11-SEP-2002;
JOURNAL Aeomica, Inc. (US)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 4 a 3 c 8 g 2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1477 AGGCACCTGGCTCTG 1492
Db 16 AGGCACCTCCTCTG 1

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 133 CATCAGTTCATGGC 148
Db 17 CATCGGCTCATGGC 2

RESULT 514
AX531928/c
LOCUS AX531928 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 1437 from Patent EP1239051.
ACCESSION AX531928
VERSION AX531928.1 GI:25255626
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1 Shannon,M.
AUTHORS Human posh-like protein 1
TITLE Patent: EP 1239051-A 1437 11-SEP-2002;
JOURNAL Aeomica, Inc. (US)
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 4 a 6 c 5 g 2 t

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 132 TCATCAGTTCATGGG 147
Db 16 TCATCGGCTCATGGG 1

RESULT 515
AX532238/c
LOCUS AX532238 17 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 1747 from Patent EP1239051.
ACCESSION AX532238
VERSION AX532238.1 GI:25256263
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
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[illegible]

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BASE COUNT      2 a      5 c      4 g      6 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 539 GAAGATGGCCACCACT 554
Db 16 GAAATGGCCAGCACT 1

RESULT 520
AX672061/1/c      17 bp      DNA      linear      PAT 27-MAR-2003
LOCUS      Sequence 506 from Patent WO03004526.
DEFINITION      AX672061
ACCESSION      AX672061
VERSION      AX672061.1 GI:29330409
KEYWORDS      Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
TITLE      1
JOURNAL      Telerman,A., Anson,R. and Tuijinder,M.
FEATURES      Sequences involved in phenomena of tumour suppression, tumour
source      reversion, apoptosis and/or resistance to viruses and their use as
Molecular Engines Laboratories (FR)
Patent: WO 03004526-A 506 16-JAN-2003;
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      4 a      6 c      5 g      2 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 147 GCGAGTGTGCTGCT 162
Db 17 GCGAGTGTGCTGAT 2

RESULT 521
AX687648      17 bp      DNA      linear      PAT 31-MAR-2003
LOCUS      Sequence 380 from Patent EP1281758.
DEFINITION      AX687648
ACCESSION      AX687648
VERSION      AX687648.1 GI:29410344
KEYWORDS      Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
TITLE      1
JOURNAL      Shannon,M., Gu,Y. and Nguyen,C.T.
FEATURES      Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
source      mdz12
Patent: EP 1281758-A 380 05-FEB-2003;
Aecomica, Inc. (US)
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      1 a      3 c      9 g      4 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

BASE COUNT      2 a      5 c      4 g      6 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 149 GAGATGCTGCTGCTGG 164
Db 2 GAGCTGCTGCTGCTGG 17

RESULT 522
AX687649      17 bp      DNA      linear      PAT 31-MAR-2003
LOCUS      Sequence 381 from Patent EP1281758.
DEFINITION      AX687649
ACCESSION      AX687649
VERSION      AX687649.1 GI:29410345
KEYWORDS      Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
TITLE      1
JOURNAL      Shannon,M., Gu,Y. and Nguyen,C.T.
FEATURES      Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
source      mdz12
Patent: EP 1281758-A 381 05-FEB-2003;
Aecomica, Inc. (US)
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      3 c      8 g      4 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 149 GAGATGCTGCTGCTGG 164
Db 1 GAGCTGCTGCTGCTGG 16

RESULT 523
AX687667      17 bp      DNA      linear      PAT 31-MAR-2003
LOCUS      Sequence 399 from Patent EP1281758.
DEFINITION      AX687667
ACCESSION      AX687667
VERSION      AX687667.1 GI:29410363
KEYWORDS      Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
TITLE      1
JOURNAL      Shannon,M., Gu,Y. and Nguyen,C.T.
FEATURES      Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
source      mdz12
Patent: EP 1281758-A 399 05-FEB-2003;
Aecomica, Inc. (US)
Location/Qualifiers
1. .17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      3 a      7 c      1 g      6 t
Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 861 ACTTCCTCACCTTCCT 876
Db 2 AGTTCCTCACCTTCCT 17

RESULT 524
AX688672/c

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LOCUS AX688672 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1404 from Patent EP1281758.
ACCESSION AX688672
VERSION AX688672.1 GI:29411374
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Shannon,M., Gu,Y. and Nguyen,C.T.
AUTHORS Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
TITLE mdz12
JOURNAL Patent: EP 1281758-A 1404 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 6 a 4 c 6 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 291 TTATCCCCCAATGTGGC 306
DB 17 TTCTCCCCAGTGTGGC 2
RESULT 525
AX688673/c
LOCUS AX688673 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1405 from Patent EP1281758.
ACCESSION AX688673
VERSION AX688673.1 GI:29411375
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Shannon,M., Gu,Y. and Nguyen,C.T.
AUTHORS Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
TITLE mdz12
JOURNAL Patent: EP 1281758-A 1405 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 5 a 4 c 7 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 291 TTATCCCCCAATGTGGC 306
DB 16 TTCTCCCCAGTGTGGC 1
RESULT 526
AX690655
LOCUS AX690655 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3387 from Patent EP1281758.
ACCESSION AX690655
VERSION AX690655.1 GI:29413536
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE Shannon,M., Gu,Y. and Nguyen,C.T.
AUTHORS Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
TITLE mdz12
JOURNAL Patent: EP 1281758-A 3387 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 3 c 8 g 4 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 149 GAGATGCTGCTGCTGG 164
DB 2 GAGCTGCTGCTGCTGG 17
RESULT 527
AX690656
LOCUS AX690656 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3388 from Patent EP1281758.
ACCESSION AX690656
VERSION AX690656.1 GI:29413537
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Shannon,M., Gu,Y. and Nguyen,C.T.
AUTHORS Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
TITLE mdz12
JOURNAL Patent: EP 1281758-A 3388 05-FEB-2003;
FEATURES Location/Qualifiers
source 1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 3 c 8 g 4 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 149 GAGATGCTGCTGCTGG 164
DB 1 GAGCTGCTGCTGCTGG 16
RESULT 528
AX724644/c
LOCUS AX724644 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2331 from Patent WO03025176.
ACCESSION AX724644
VERSION AX724644.1 GI:30503987
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
REFERENCE Telerman,A., Amson,R. and Tuijinder,M.
AUTHORS Sequences involved in phenomena of tumour suppression, tumour
TITLE reversion, apoptosis and/or virus resistance and their use as
medicines

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JOURNAL Patent: WO 03025176-A 2331 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source Location/Qualifiers
1..17
/organism="Mus musculus"
/mol_type="genomic DNA"
/db_xref="taxon:10090"
BASE COUNT 4 a 4 c 7 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 155 CTGCTGCTGCGAGAT 170
Db ||||| 17 CTGCTGCTGCGAGAT 2

RESULT 529
AX725179 17 bp DNA linear PAT 08-MAY-2003
LOCUS
DEFINITION Sequence 2866 from Patent WO03025176.
ACCESSION AX725179
VERSION AX725179.1 GI:30504522
KEYWORDS Mus musculus (house mouse)
SOURCE
ORGANISM Mus musculus
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 Telerman, A., Anson, R. and Tuijinder, M.
TITLES Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 2866 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source Location/Qualifiers
1..17
/organism="Mus musculus"
/mol_type="genomic DNA"
/db_xref="taxon:10090"
BASE COUNT 5 a 8 c 2 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 346 GATCTCCAGAACTCC 361
Db ||||| 1 GATCTCCAGAACTCC 16

RESULT 530
AX725846/c 17 bp DNA linear PAT 08-MAY-2003
LOCUS
DEFINITION Sequence 3533 from Patent WO03025176.
ACCESSION AX725846
VERSION AX725846.1 GI:30505189
KEYWORDS Mus musculus (house mouse)
SOURCE
ORGANISM Mus musculus
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 Telerman, A., Anson, R. and Tuijinder, M.
TITLES Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025176-A 3533 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source Location/Qualifiers
1..17
/organism="Mus musculus"
/mol_type="genomic DNA"
/db_xref="taxon:10090"
BASE COUNT 4 a 5 c 5 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 155 CTGCTGCTGCGAGAT 170
Db ||||| 17 CTGCTGCTGCGAGAT 2

RESULT 531
AX729300 17 bp DNA linear PAT 08-MAY-2003
LOCUS
DEFINITION Sequence 934 from Patent WO03025175.
ACCESSION AX729300
VERSION AX729300.1 GI:30508643
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Hominiidae; Homo.
1 Telerman, A., Anson, R. and Tuijinder, M.
TITLES Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 934 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 6 a 5 c 1 g 5 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 346 GATCTCCAGAACTCC 361
Db ||||| 1 GATCTCCAGAACTCC 16

RESULT 532
AX738076/c 17 bp DNA linear PAT 08-MAY-2003
LOCUS
DEFINITION Sequence 3666 from Patent WO03025177.
ACCESSION AX738076
VERSION AX738076.1 GI:30517364
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Hominiidae; Homo.
1 Telerman, A., Anson, R. and Tuijinder, M.
TITLES Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 3666 27-MAR-2003;
FEATURES Molecular Engines Laboratories (FR)
source Location/Qualifiers
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 6 a 6 c 4 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;

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Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 477 TGGCCATCTCGGTGAT 492
Db 17 TGGCTGTCGGGTGAT 2

RESULT 533
BD013480
LOCUS BD013480 17 bp DNA linear PAT 27-AUG-2002
DEFINITION Diagnosis kit of tubercle bacillus.
ACCESSION BD013480
VERSION BD013480.1 GI:22553794
KEYWORDS JP 2001103981-A/44.
SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.
REFERENCE 1 (bases 1 to 17)
AUTHORS Suzuki, S., Nishida, M. and Takenishi, S.
TITLE Diagnosis kit of tubercle bacillus
JOURNAL Patent: JP 2001103981-A 44 17-APR-2001;
NISHINBO IND INC, SYSTEM RESEARCH CO LTD
COMMENT OS Mycobacterium tuberculosis
PN JP 2001103981-A/44
PD 17-APR-2001
PF 26-JUL-2000 JP 200225985
PI SADAHIKO SUZUKI, MICHIO NISHIDA, SOICHIRO TAKENISHI PC
C12N15/09, C12N15/09, C12Q1/68//C12Q1/68, C12R1.32, PC
(C12Q1/68, C12R1.325), (C12Q1/68, C12R1.33), C12N15/00, C12N15/00 CC
capture
FH Key Location/Qualifiers
FT source 1..17
FEATURES
source Location/Qualifiers
1..17 /organism="Mycobacterium tuberculosis"
/mol_type="genomic DNA"
/db_xref="taxon:1773"
BASE COUNT 1 a 6 c 9 g 1 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1370 GGGCGCGCGCGCGCA 1385
Db 1 GGGCGCGCGCGCGCA 16

RESULT 534
BD056833
LOCUS BD056833 17 bp DNA linear PAT 27-AUG-2002
DEFINITION Generation of diversity in combinatorial libraries.
ACCESSION BD056833
VERSION BD056833.1 GI:22602439
KEYWORDS JP 2001509672-A/6.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Collins, J. and Rottgen, P.
TITLE Generation of diversity in combinatorial libraries
JOURNAL Patent: JP 2001509672-A 6 24-JUL-2001;
COSMIX MOLECULAR BIOLOGICALS GMBH
COMMENT PN JP 2001509672-A/6
PD 24-JUL-2001
PF 02-FEB-1998 JP 1998532545
PR 31-JAN-1997 EP 97101539.1
PI JOHN COLLINS, PETER ROTTGEN
PC C12N15/09, C07K2/00, C12N15/00

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CC Strandedness: Single;
CC Topology: Linear;
CC /desc="DNA oligomer";
FH Key Location/Qualifiers
1..17 Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 3 a 4 c 7 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 762 CGGTGCACCTGGAGCA 777
Db 2 CGGGGTACTGGAGCA 17

RESULT 535
BD103923
LOCUS BD103923 17 bp DNA linear PAT 27-AUG-2002
DEFINITION Kit and method for determining HLA type.
ACCESSION BD103923
VERSION BD103923.1 GI:22649497
KEYWORDS WO 0192572-A/27.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Inoko, H., Kagiya, T., Ichihara, T., Matsumura, Y., Moriya, S. and
Nishida, M.
TITLE Kit and method for determining HLA type
JOURNAL Patent: WO 0192572-A 27 06-DEC-2001;
NISHINBO INDUSTRIES INC, SYSTEM RESEARCH INC, HIDETOSHI INOKO, TAEKO
KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIYA, MICHIO
NISHIDA
COMMENT OS Artificial Sequence
PN WO 0192572-A/27
PD 06-DEC-2001
PF 01-JUN-2000 WO 2001JP004662
PR 01-JUN-2000 JP 00P 164798
PI HIDETOSHI INOKO, TAEKO KAGIYA, TATSUO ICHIHARA, YOSHIYUKI PI
MATSUMURA,
PC C12Q1/68, C12M1/00, C12N15/09, G01N33/53
CC Description of Artificial Sequence: capture
FH Key Location/Qualifiers
FT source 1..17
FEATURES
source Location/Qualifiers
1..17 /organism="Artificial Sequence".
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 2 a 4 c 8 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 635 GCCCGCCTGGCGGTGG 650
Db 2 GACTGCCTGGCGGTGG 17

RESULT 536
BD105164
LOCUS BD105164 17 bp DNA linear PAT 27-AUG-2002
DEFINITION Kit and method for determining HLA type.
ACCESSION BD105164
VERSION BD105164.1 GI:22650738

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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
1134 TGCCGCGCGCTGTGCA 1149
16 TGTCGCGCGCTGTCCA 1
126684 17 bp DNA linear PAT 07-OCT-1996
Sequence 14 from patent US 5559028.
I26684
I26684 ACCESSION
I26684.1 GI:1606554
KEYWORDS
SOURCE
Unknown.
Organism
Unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS
Haghighi, P.
METHODS
Methods of sequencing by antigen presentation to cells inhibiting
TITLE
Patent: US 5559028-A 14 24 SEP 1995
JOURNAL
Location/Qualifiers
FEATURES
1..17
source
/organism="unknown"
4 c 6 g 4 t
BASE COUNT
3 a 4 c 6 g 4 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
1306 GTCCTGGCTGTGCACTG 1321
2 GCTCCTGGCTGGAATG 17
132551 17 bp DNA linear PAT 06-FEB-1997
I32551
Sequence 15 from patent US 5589330.
I32551 ACCESSION
I32551.1 GI:1823342
KEYWORDS
SOURCE
Unknown.
Organism
Unclassified.
REFERENCE
1 (bases 1 to 17)
AUTHORS
Shuber, A.P.
METHODS
High-throughput screening method for sequence of genetic
alterations in nucleic acids using elution and sequencing of
complementary oligonucleotides
TITLE
Patent: US 5589330-A 15 31-DEC-1996;
JOURNAL
Location/Qualifiers
FEATURES
1..17
source
/organism="unknown"
5 c 7 g 2 t
BASE COUNT
3 a 5 c 7 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
1544 GTCCTGGCTGTGCACTG 1559
2 GCTCCTGGCTGGAATG 17

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RESULT 540
132568/c
LOCUS 132568 17 bp DNA linear PAT 06-FEB-1997
DEFINITION Sequence 32 from patent US 5589330
ACCESSION 132568
VERSION 132568.1 GI:1823359
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17).
AUTHORS Shuber, A.P.
TITLE High-throughput screening method for sequence or genetic alterations in nucleic acids using elution and sequencing of complementary oligonucleotides
JOURNAL Patent: US 5589330-A 32 31-DEC-1996;
FEATURES Location/Qualifiers
1..17 /organism="unknown"
3 a 5 c 6 g 3 t
BASE COUNT
Query Match 0.8% Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1514 CTGGCGATGGCGGTCA 1529
Db 17 CTGCACATGGCGGTCA 2
RESULT 541
146480/c
LOCUS 146480 17 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 459 from patent US 5639612.
ACCESSION 146480
VERSION 146480.1 GI:2470445
KEYWORDS Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17).
AUTHORS Matsushashi, M. and Cohen, J.
TITLE Method for detecting polynucleotides with immobilized polynucleotide probes identified based on a sub-
JOURNAL Patent: US 5639612-A 459 17-OCT-1997
FEATURES Location/Qualifiers
1..17 /organism="unknown"
3 a 8 c 4 g 2 t
BASE COUNT
Query Match 0.8% Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 642 TGGCGGTGGAGCGCG 657
Db 16 TGGCGGTGGAGCGCG 1
RESULT 542
188026/c
LOCUS 188026 17 bp DNA linear PAT 10-AUG-1998
DEFINITION Sequence 4 from patent US 5716846.
ACCESSION 188026
VERSION 188026.1 GI:3407566
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17).
AUTHORS Brown, S. Joel, Dattagupta, N. and Naidu, Y. M.
TITLE Method for inhibiting cellular proliferation using antisense oligonucleotides to interleukin-6 receptor mRNA

JOURNAL Patent: US 5716846-A 4 10-FEB-1998;
FEATURES Location/Qualifiers
1..17 /organism="unknown"
3 a 7 c 4 g 1 t
BASE COUNT
Query Match 0.8% Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 574 CGAGGCGCGCGCATGTG 589
Db 17 CGAGGCGACTCGCATGTG 2
RESULT 543
AL2313
LOCUS AL2313 18 bp DNA linear PAT 06-DEC-1993
DEFINITION oligonucleotide 195K repeat.
ACCESSION AL2313
VERSION AL2313.1 GI:491325
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS HYBRID PROTEINS OR POLYPEPTIDES
JOURNAL Patent: WO 8802757-A 14 21-APR-1988;
FEATURES Location/Qualifiers
1..18 /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
3 a 7 g 0 t
BASE COUNT
Query Match 0.8% Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 336 GAGCGCGCGCGCGCG 341
Db 3 GAGCGCGCGCGCGCG 18
RESULT 544
AL9460
LOCUS AL9460 18 bp DNA linear PAT 08-JUN-1994
DEFINITION oligonucleotide.
ACCESSION AL9460
VERSION AL9460.1 GI:583200
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS MODIFIED SEED STORAGE PROTEINS
JOURNAL Patent: WO 9104270-A 5 04-APR-1991;
FEATURES Location/Qualifiers
1..18 /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
3 a 4 c 6 g 5 t
BASE COUNT
Query Match 0.8% Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 891 GCGCCAGAGAGGTCTT 906
Db 2 GCGCCATGATGCTCTT 17

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RESULT 545
LOCUS A87987 18 bp DNA linear PAT 05-MAR-1997
DEFINITION Sequence 135 from Patent WO9833904.
ACCESSION A87987
VERSION 1
KEYWORDS
SOURCE 1 a 5 c 10 g 2 t
ORGANISM
REFERENCE 1
AUTHORS Brysch, W.D. and Schlengersiepen, K.D.
TITLE An antisease oligonucleotide preparation method
JOURNAL Patent: EP 0856579-A.135 05-AUG-1998;
COMMENT BIOGNOSTIK GES (DE)
Other publication AU 583354 940719
Other publication FI 953091 950622
Other publication NO 952494 950821
Other publication IT 1257184 960410
FEATURES
source
1 .18
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 3 a 7 c 5 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 785 ACCAGCTGCTGACGG 800
DB 17 ACCAGCTGCTGACGG 2

RESULT 546
LOCUS A63131 18 bp DNA linear PAT 12-MAR-1998
DEFINITION Sequence 6 from Patent WO9720058.
ACCESSION A63131
VERSION 1
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1
AUTHORS Kapros, T., Dudits, D., Gyocergyev, J., Mai, A. and Kelemen, Z.
TITLE PLANT GENE EXPRESSION VECTOR FAMILY BASED ON THE REGULATORY DNA
SEQUENCES OF AN ALFALFA H3 HISTON GENE VARIANT (MSH3g1)
JOURNAL Patent: WO 9720058-A.6 05-JUN-1997;
COMMENT BAY ZOLTAN ALKALMAZOTT KUTATAS (HU)
Other publication AU 7705296 19970619.
FEATURES
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1 .18
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
BASE COUNT 1 a 11 c 5 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGCGCGG 1383
DB 17 GCTGGGGCGGCGCGCGG 2

RESULT 547
LOCUS A87987 18 bp DNA linear PAT 04-DEC-1998
DEFINITION Sequence 9 from patent US 5744353.
ACCESSION A87987
VERSION 1
KEYWORDS
SOURCE 1 a 5 c 10 g 2 t
ORGANISM
REFERENCE 1
AUTHORS Herman, J., Coulie, P., Boon-Palleur, T., van der Bruggen, P. and

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Luescher, I.
Cytolytic T cell lines which bind to complexes of tumor rejection
antigens and HLA-B44 molecules
JOURNAL Patent: US 5744353-A 9 28-APR-1998;
FEATURES Location/Qualifiers
source 1. .18
BASE COUNT 4 a 6 c 6 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1013 TCCTCGGCTCGGGC 1028
Db 17 TCCTCGGACTCGTGGC 2
RESULT 550
AR003677/c
LOCUS AR003677 18 bp DNA linear PAT 04-DEC-1998
DEFINITION Sequence 11 from patent US 5744353.
ACCESSION AR003677
VERSION AR003677.1 GI:3964936
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Herman, J., Coulie, P., Boon-Falleur, T., van der Bruggen, P. and
Luescher, I.
TITLE Cytolytic T cell lines which bind to complexes of tumor rejection
antigens and HLA-B44 molecules
JOURNAL Patent: US 5744353-A 11 28-APR-1998;
FEATURES Location/Qualifiers
source 1. .18
BASE COUNT 5 a 6 c 6 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1013 TCCTCGGCTCGGGC 1028
Db 17 TCCTCGGACTCGTGGC 2
RESULT 551
AR069474
LOCUS AR069474 18 bp DNA linear PAT 18-FEB-2000
DEFINITION Sequence 11 from patent US 5891666.
ACCESSION AR069474
VERSION AR069474.1 GI:7220362
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Matsuyama, T. and Grossman, A.
TITLE Genes encoding LSIIF polypeptides
JOURNAL Patent: US 5891666-A 11 06-APR-1999;
FEATURES Location/Qualifiers
source 1. .18
BASE COUNT 7 a 2 c 6 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 504 CAGGAGTCAAACTGAG 519
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Db 3 CAGGAGTCAAACTGAG 18
RESULT 552
AR070852/c
LOCUS AR070852 18 bp DNA linear PAT 18-FEB-2000
DEFINITION Sequence 23 from patent US 5908827.
ACCESSION AR070852
VERSION AR070852.1 GI:7221740
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Sirna, A.
TITLE Protein from urine named component B
JOURNAL Patent: US 5908827-A 23 01-JUN-1999;
FEATURES Location/Qualifiers
source 1. .18
BASE COUNT 3 a 7 c 5 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 785 ACCAAGCTGGTGAAGG 800
|||||
Db 17 ACCACGCTGGTGAAGG 2
RESULT 553
AR083621/c
LOCUS AR083621 18 bp DNA linear PAT 01-SEP-2000
DEFINITION Sequence 9 from patent US 5977300.
ACCESSION AR083621
VERSION AR083621.1 GI:10010392
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Herman, J., Coulie, P., van der Bruggen, P. and Boon-Falleur, T.
TITLE Isolated nonapeptide which bind to HLA-B44 molecules and the uses
thereof
JOURNAL Patent: US 5977300-A 9 02-NOV-1999;
FEATURES Location/Qualifiers
source 1. .18
BASE COUNT 4 a 6 c 6 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1013 TCCTCGGCTCGGGC 1028
Db 17 TCCTCGGACTCGTGGC 2
RESULT 554
AR083623/c
LOCUS AR083623 18 bp DNA linear PAT 01-SEP-2000
DEFINITION Sequence 11 from patent US 5977300.
ACCESSION AR083623
VERSION AR083623.1 GI:10010394
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Herman, J., Coulie, P., van der Bruggen, P. and Boon-Falleur, T.
TITLE Isolated nonapeptide which bind to HLA-B44 molecules and the uses

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thereof
JOURNAL Patent: US 5977300-A 11 02-NOV-1999;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 5 a 6 c 6 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1013 TCCTCGGGCTCGGGCC 1028
Db 17 TCCTCGGACTCGTGGC 2
RESULT 555
AR096629/c 18 bp DNA linear PAT 08-SEP-2000
LOCUS
DEFINITION Sequence 13 from patent US 6008048.
ACCESSION AR096629
VERSION AR096629.1 GI:10025595
KEYWORDS
SOURCE Unknown.
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Monia,B.P. and Cowsett,L.M.
TITLE Antisense inhibition of EGR-1 expression
JOURNAL Patent: US 6008048-A 13 28-DEC-1999;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 1 a 13 c 3 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1368 GCGGGGGCGGGCGG 1383
Db 18 GCGGTGGAGCGGGCGG 3
RESULT 556
AR098791/c 18 bp DNA linear PAT 14-FEB-2001
LOCUS
DEFINITION Sequence 46 from patent US 6077672.
ACCESSION AR098791
VERSION AR098791.1 GI:12808557
KEYWORDS
SOURCE Unknown.
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Monia,B.P. and Cowsett,L.M.
TITLE Antisense modulation of TRADD expression
JOURNAL Patent: US 6077672-A 46 20-JUN-2000;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 1 a 4 c 12 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1123 CCGCGGCTCTCGGCC 1138
Db 16 CCGCGCCACCTCGGCC 1
RESULT 557
AR100282 18 bp DNA linear PAT 14-FEB-2001
LOCUS
DEFINITION Sequence 13 from patent US 6080580.
ACCESSION AR100282
VERSION AR100282.1 GI:12810730
KEYWORDS
SOURCE Unknown.
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Baker,B.F., Bennett C.Frank., Butler,M.M. and Shanahan,W.R. Jr.
TITLE Antisense oligonucleotide modulation of tumor necrosis
factor- $\alpha$ . (TNF- $\alpha$ .) expression
JOURNAL Patent: US 6080580-A 13 27-JUN-2000;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 5 a 2 c 7 g 4 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 236 GGGTTCGGGAGGGA 251
Db 1 GGGTTCGAGAGATGA 16
RESULT 558
AR105370/c 18 bp DNA linear PAT 14-FEB-2001
LOCUS
DEFINITION Sequence 8 from patent US 6096543.
ACCESSION AR105370
VERSION AR105370.1 GI:12818967
KEYWORDS
SOURCE Unknown.
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Monia,B.P. and Cowsett,L.M.
TITLE Antisense inhibition of human mekl expression
JOURNAL Patent: US 6096543-A 8 01-AUG-2000;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 0 a 9 c 2 g 7 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 14 CGAGGGGAGAGCGAG 29
Db 17 CGAGGGGAGGAGCGAG 2
RESULT 559
AR117923 18 bp DNA linear PAT 16-MAY-2001
LOCUS
DEFINITION Sequence 62 from patent US 6140466.
ACCESSION AR117923
VERSION AR117923.1 GI:14098829
KEYWORDS
SOURCE Unknown.
ORGANISM
REFERENCE 1 (bases 1 to 18)
AUTHORS Barbas,C.F. III, Gottesfeld,J.M. and Wright,P.E.
TITLE Zinc finger protein derivatives and methods therefor
JOURNAL Patent: US 6140466-A 62 31-OCT-2000;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"

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BASE COUNT      0 a      3 c      14 g      1 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGGCGGG 1383
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Db 1 GCGTGGCGGGCGGG 16

RESULT 560
ARI20115
LOCUS ARI20115 18 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 15 from patent US 6153737.
ACCESSION ARI20115
VERSION ARI20115.1 GI:14102814
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Manoharan,M., Cook,P.Dan. and Bennett,C.Frank.
TITLE Derivatized oligonucleotides having improved uptake and other properties
JOURNAL Patent: US 6153737-A 15 28-NOV-2000;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"

BASE COUNT      3 a      4 c      9 g      2 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 33 GCGAGCCGAGCGAGG 48
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Db 2 GGGAGCCCTAGCGAGG 17

RESULT 561
ARI21115/c
LOCUS ARI21115 18 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 11 from patent US 6159697.
ACCESSION ARI21115
VERSION ARI21115.1 GI:14104691
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Monia,B.P. and Cowsett,L.M.
TITLE Antisense modulation of Smad7 expression
JOURNAL Patent: US 6159697-A 11 12-DEC-2000;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"

BASE COUNT      6 a      6 c      0 g      0 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGCG 166
|||||
Db 16 GCTGCTGCTGCTGCTG 1

RESULT 562
ARI23810/c
LOCUS ARI23810 18 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 9 from patent US 6171806.
ACCESSION ARI23810

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VERSION ARI23810.1 GI:14109171
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Herman,J., Coulie,P., van der Bruggen,P. and Boon-Falleur,T.
TITLE Isolated peptide defined by SEQ ID NO: 17 and uses thereof
JOURNAL Patent: US 6171806-A 9 09-JAN-2001;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"

BASE COUNT      4 a      6 c      6 g      2 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGCTCGGGC 1028
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Db 17 TCCTCGGACTCGTGGC 2

RESULT 563
ARI23812/c
LOCUS ARI23812 18 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 11 from patent US 6171806.
ACCESSION ARI23812
VERSION ARI23812.1 GI:14109173
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Herman,J., Coulie,P., van der Bruggen,P. and Boon-Falleur,T.
TITLE Isolated peptide defined by SEQ ID NO: 17 and uses thereof
JOURNAL Patent: US 6171806-A 11 09-JAN-2001;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"

BASE COUNT      5 a      6 c      1 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGCTCGGGC 1028
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Db 17 TCCTCGGACTCGTGGC 2

RESULT 564
ARI49937
LOCUS ARI49937 18 bp DNA linear PAT 08-AUG-2001
DEFINITION Sequence 13 from patent US 6228642.
ACCESSION ARI49937
VERSION ARI49937.1 GI:15114528
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Baker,B.F., Bennett,C.Frank., Butler,M.M. and Shanahan,W.R. Jr.
TITLE Antisense oligonucleotide modulation of tumor necrosis factor-(alpha.) (TNF- alpha.) expression
JOURNAL Patent: US 6228642-A 13 08-MAY-2001;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"

BASE COUNT      5 a      2 c      7 g      4 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;

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Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 236 GGGTTCGGGAGAGGA 251
Db 1 GGGTTCGAGAGATGA 16

RESULT 565
LOCUS AR157304 18 bp DNA PAT 17-OCT-2001
DEFINITION Sequence 9 from patent US 6245333.
ACCESSION AR157304
VERSION AR157304.1 GI:16218235
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Coulie,P. and Boon-Falleur,T.
TITLE Isolated protein processed to peptides which form complexes with HLA molecules
JOURNAL Patent: US 6245333-A 9 12-JUN-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 4 a 6 c 6 g 2 t

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1013 TCCTCGGGTCGGGC 1028
Db 17 TCCTCGGACTCGTGC 2

RESULT 566
LOCUS AR157306 18 bp DNA PAT 17-OCT-2001
DEFINITION Sequence 11 from patent US 6245333.
ACCESSION AR157306
VERSION AR157306.1 GI:16218237
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Coulie,P. and Boon-Falleur,T.
TITLE Isolated protein processed to peptides which form complexes with HLA molecules
JOURNAL Patent: US 6245333-A 11 12-JUN-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 5 a 6 c 6 g 1 t

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1013 TCCTCGGGTCGGGC 1028
Db 17 TCCTCGGACTCGTGC 2

RESULT 567
LOCUS AR162791 18 bp DNA PAT 17-OCT-2001
DEFINITION Sequence 11 from patent US 6258935.
ACCESSION AR162791
VERSION AR162791.1 GI:16230132
KEYWORDS
SOURCE Unknown.

ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Matsuyama,T., Grossman,A. and Richardson,C.Donald.
TITLE LSIRF polypeptides
JOURNAL Patent: US 6258935-A 11 10-JUL-2001;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 7 a 2 c 6 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 504 CAGGAGTGAACCTGCG 519
Db 3 CAGAGTGAACCTGAG 18

RESULT 568
LOCUS AR196090 18 bp DNA PAT 20-APR-2002
DEFINITION Sequence 555 from patent US 6350934.
ACCESSION AR196090
VERSION AR196090.1 GI:20245527
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P. Ann.Owens., Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 555 26-FEB-2002;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 0 a 8 c 8 g 2 t

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1079 CGCCCGCGCCAGCGCG 1094
Db 16 CGCCCGCGCCAGCGCG 1

RESULT 569
LOCUS AR205718 18 bp DNA PAT 20-JUN-2002
DEFINITION Sequence 11 from patent US 6369202.
ACCESSION AR205718
VERSION AR205718.1 GI:21503372
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 18)
AUTHORS Matsuyama,T., Grossman,A. and Richardson,C.Donald.
TITLE Genes encoding LSIRF polypeptides
JOURNAL Patent: US 6369202-A 11 09-APR-2002;
FEATURES Location/Qualifiers
source 1..18
BASE COUNT 7 a 2 c 6 g 3 t

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 504 CAGGAGTGAACCTGCG 519

Db 3 CAGAGTCAACTGAG 18
|||||
RESULT 570
LOCUS AR211741
DEFINITION Sequence 10 from patent US 6399358.
ACCESSION AR211741
VERSION AR211741.1 GI:21515144
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Williams, K. Jon. and Tabas, I.
TITLE Human gene encoding human chondroitin 6-sulfotransferase
JOURNAL Patent: US 6399358-A 10 04-JUN-2002;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT 4 a 5 c 7 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 793 GGTGAGGACCTGAGC 808
|||||
Db 2 GGTGACGACCTGGC 17
|||||
RESULT 571
LOCUS AR258012
DEFINITION Sequence 4 from patent US 6489105.
ACCESSION AR258012
VERSION AR258012.1 GI:27308126
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Matlaszewski, G.J., Banks, L. and Storey, A.
TITLE Screening method for determining individuals at risk of developing diseases associated with different polymorphic forms of wildtype PS3
JOURNAL Patent: US 6489105-A 4 03-DEC-2002;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT 2 a 6 c 8 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1422 CGGTGCGGGGCCAC 1437
|||||
Db 1 CTGTGCGAGGGCCAC 16
|||||
RESULT 572
LOCUS AR264643/c
DEFINITION Sequence 9 from patent US 6491908.
ACCESSION AR264643
VERSION AR264643.1 GI:29692914
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Rosenber, A.S.
TITLE Selective elimination of T cells that recognize specific preselected targets
JOURNAL Patent: US 6491908-A 9 10-DEC-2002;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT 5 a 2 c 9 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1476 TAGCACCTGGCTCTCT 1491
|||||
Db 18 TAGTCACCTGGCTCTCT 3
|||||
RESULT 573
LOCUS AR277996/c
DEFINITION Sequence 57 from patent US 6511824.
ACCESSION AR277996
VERSION AR277996.1 GI:29711929
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Buchman, A.R., Burks, C., Francis-Lang, H.L., Gillett, L.A., Heiler, J.C., Kopczyński, C.C., Margolis, J.S., Platt, D.M., Reddy, B.P., Swimmer, C., Winslow, W.W. and Luo, Y.
TITLE Nucleic acids and polypeptides of invertebrate TWIK channels and methods of use
JOURNAL Patent: US 6511824-A 57 28-JAN-2003;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT 4 a 6 c 3 g 5 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 142 CATGGCGGAGATGCTG 157
|||||
Db 16 CATGGACGAGATGTG 1
|||||
RESULT 574
LOCUS AR293832/c
DEFINITION Sequence 5567 from patent US 6537751.
ACCESSION AR293832
VERSION AR293832.1 GI:31681116
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 18)
AUTHORS Cohen, D., Chumakov, I. and Blumenfeld, M.
TITLE Biallelic markers for use in constructing a high density disequilibrium map of the human genome
JOURNAL Patent: US 6537751-A 5567 25-MAR-2003;
FEATURES Location/Qualifiers
source 1..18
/organism="unknown"
BASE COUNT 2 a 6 c 3 g 7 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY      1246 GGTCTCGAGGAGCCAC 1261
Db      18 GGTCTAGAGAGCCAC 3

RESULT 575
AX004745
LOCUS      18 bp      DNA      linear      PAT 24-AUG-2000
DEFINITION Sequence 4 from Patent WO9911817.
ACCESSION AX004745
VERSION    AX004745.1 GI:928162
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Matlashewski, G.J. and Storey, A.
TITLE      Screening method for determining individuals at risk of developing
           diseases associated with different polymorphic forms of wildtype
           p53
JOURNAL    Patent: WO 9911817-A 4 11-MAR-1999;
           MATLASHESWSKI GREG J (CA); UNIV MCGILL (CA)
FEATURES   Location/Qualifiers
           source
           1..18
           /organism="synthetic construct"
           /mol_type="genomic DNA"
           /db_xref="taxon:32630"
           /note="Human p53"
BASE COUNT      2 a      6 c      8 g      2 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1422 CGGGTGCAGGAGCCAC 1437
Db      1 CTGGTGCAGGAGCCAC 16

RESULT 576
AX047241/c
LOCUS      18 bp      DNA      linear      PAT 15-DEC-2000
DEFINITION Sequence 4 from Patent WO0068421.
ACCESSION AX047241
VERSION    AX047241.1 GI:11876522
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Snaidr, J.
TITLE      Method for detecting microorganisms in a sample
JOURNAL    Patent: WO 0068421-A 4 16-NOV-2000;
           Vermicon AG (DE)
FEATURES   Location/Qualifiers
           source
           1..18
           /organism="synthetic construct"
           /mol_type="genomic DNA"
           /db_xref="taxon:32630"
           /note="Oligonucleotide sonde"
BASE COUNT      1 a      7 c      7 g      3 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1537 CTGAAGCCGGGGGCC 1552
Db      17 CCGAAGCCGGTGGGCC 2

RESULT 577
AX081062/c

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LOCUS      18 bp      DNA      linear      PAT 27-FEB-2001
DEFINITION Sequence 57 from Patent WO0109301.
ACCESSION AX081062
VERSION    AX081062.1 GI:13169990
KEYWORDS   Drosophila melanogaster (fruit fly)
SOURCE     Drosophila melanogaster
ORGANISM   Drosophila melanogaster
REFERENCE  1
AUTHORS    Francis-Lang, H.L., Gillett, L.A., Margolis, J.S., Reddy, B.P.,
           Winslow, J.W., Luo, Y., Gendreau, S.B., Jacobus, D.A., Tietjen, K.,
           Nauen, R. and Jeschke, P.
TITLE      Nucleic acids and polypeptides of invertebrate twik channels and
           methods of use
JOURNAL    Patent: WO 0109301-A 57 08-FEB-2001;
           Genoptera, LLC (US)
FEATURES   Location/Qualifiers
           source
           1..18
           /organism="Drosophila melanogaster"
           /mol_type="genomic DNA"
           /db_xref="taxon:7227"
BASE COUNT      4 a      6 c      3 g      5 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      142 CATGGCGAGATGCTG 157
Db      16 CATGGAGAGATGTTG 1

RESULT 578
AX082556/c
LOCUS      18 bp      DNA      linear      PAT 28-FEB-2001
DEFINITION Sequence 7 from Patent WO0111047.
ACCESSION AX082556
VERSION    AX082556.1 GI:13184666
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Bowman, B.M. and Wang, K.
TITLE      Dna sequences isolated from human colonic epithelial cells
JOURNAL    Patent: WO 0111047-A 7 15-FEB-2001;
           Bayer Corporation (US)
FEATURES   Location/Qualifiers
           source
           1..18
           /organism="Homo sapiens"
           /mol_type="genomic DNA"
           /db_xref="taxon:9606"
BASE COUNT      3 a      5 c      9 g      1 t
Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      838 CCAGGCGCGGCTGCTC 853
Db      18 CCAGGCGTGGCTCCTC 3

RESULT 579
AX082560/c
LOCUS      18 bp      DNA      linear      PAT 28-FEB-2001
DEFINITION Sequence 11 from Patent WO0111047.
ACCESSION AX082560
VERSION    AX082560.1 GI:13184670
KEYWORDS

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SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
REFERENCE    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS     Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
TITLE       Bowman, B.M. and Wang, K.
JOURNAL     Dna sequences isolated from human colonic epithelial cells
            Patent: WO 0111047-A 11 15-FEB-2001;
            Bayer Corporation (US)
FEATURES    Location/Qualifiers
            1..18
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT  3 a 5 c 9 g 1 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;
            Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 838 CCAGGCGGCTGCTC 853
Db 18 CCAGGCTGGCTCTC 3

RESULT 580
LOCUS      AX082562
DEFINITION Sequence 13 from Patent WO0111047.
ACCESSION  AX082562
VERSION     AX082562.1 GI:13184672
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
TITLE      Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
JOURNAL    Bowman, B.M. and Wang, K.
FEATURES   Dna sequences isolated from human colonic epithelial cells
            Patent: WO 0111047-A 13 15-FEB-2001;
            Bayer Corporation (US)
            Location/Qualifiers
            1..18
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT  3 a 5 c 9 g 1 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;
            Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 838 CCAGGCGGCTGCTC 853
Db 18 CCAGGCTGGCTCTC 3

RESULT 580
LOCUS      AX082562/c
DEFINITION Sequence 13 from Patent WO0111047.
ACCESSION  AX082562
VERSION     AX082562.1 GI:13184672
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
TITLE      Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
JOURNAL    Bowman, B.M. and Wang, K.
FEATURES   Dna sequences isolated from human colonic epithelial cells
            Patent: WO 0111047-A 13 15-FEB-2001;
            Bayer Corporation (US)
            Location/Qualifiers
            1..18
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT  3 a 5 c 9 g 1 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;
            Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 838 CCAGGCGGCTGCTC 853
Db 18 CCAGGCTGGCTCTC 3

RESULT 591
LOCUS      AX118127/c
DEFINITION Sequence 3250 from Patent WO0129262.
ACCESSION  AX118127
VERSION     AX118127.1 GI:14035078
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Picoult-Newburg, L. and Pohl, M.
TITLE      Genotyping reagents, kits and methods of use thereof
JOURNAL    Patent: WO 0129262-A 3250 26-APR-2001;
            Orchid Biosciences, Inc. (US)
            Location/Qualifiers
            1..18
            /organism="synthetic construct"
            /mol_type="genomic DNA"
            /db_xref="taxon:32630"
            /note="Primer XPD exon 10 consensus"
BASE COUNT  2 a 11 c 3 g 2 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;

SOURCE      1..18
            /organism="synthetic construct"
            /mol_type="genomic DNA"
            /db_xref="taxon:32630"
            /note="Primer"
BASE COUNT  3 a 8 c 5 g 2 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;
            Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 799 GGACTGAGCCCGGG 814
Db 18 GGTCTGAGCCCGGG 3

RESULT 582
LOCUS      AX147718/c
DEFINITION Sequence 20 from Patent WO0136673.
ACCESSION  AX147718
VERSION     AX147718.1 GI:14346763
KEYWORDS   Issatchenkia orientalis (anamorph: Candida krusei)
SOURCE     Issatchenkia orientalis
ORGANISM   Issatchenkia orientalis
REFERENCE  1
AUTHORS    Eukaryota; Fungi; Ascomycota; Saccharomycetaceae; Issatchenkia.
TITLE      Saccharomycetaceae; Saccharomycetaceae; Issatchenkia.
JOURNAL    Apfel, H., Heesemann, J., Trebesius, K. and Autenrieth, I.
FEATURES   Test for micro-organisms
            Patent: WO 0136673-A 20 25-MAY-2001;
            Creatogen Aktiengesellschaft (DE)
            Location/Qualifiers
            1..18
            /organism="Issatchenkia orientalis"
            /mol_type="genomic DNA"
            /db_xref="taxon:4909"
BASE COUNT  2 a 6 c 6 g 4 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;
            Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 297 CCAATGGCGCGAGAA 312
Db 18 CCATGGGCGCGAGAA 3

RESULT 583
LOCUS      AX229739/c
DEFINITION Sequence 9 from Patent WO0162964.
ACCESSION  AX229739
VERSION     AX229739.1 GI:15591951
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1
AUTHORS    Winsey, S.U., Haldar, N., Wojnarowska, F.U. and Welsh, K.N.
TITLE      A genetic determinant for malignant melanoma
JOURNAL    Patent: WO 0162964-A 9 30-AUG-2001;
            Isis Innovation Limited (GB)
            Location/Qualifiers
            1..18
            /organism="synthetic construct"
            /mol_type="genomic DNA"
            /db_xref="taxon:32630"
            /note="Primer XPD exon 10 consensus"
BASE COUNT  2 a 11 c 3 g 2 t
            Query Match      0.8%; Score 12.8; DB 1; Length 18;
            Best Local Similarity 87.5%; Pred. No. 5.9e+02;

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Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1541 AGCGGGGGGGCGGGG 1556
Db 17 ATCTGGGGGGCGGGG 2

RESULT 584
AX278630/c
LOCUS AX278630 18 bp DNA linear PAT 02-NOV-2001
DEFINITION Sequence 167 from Patent WO0177372.
ACCESSION AX278630
VERSION AX278630.1 GI:16606084
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Remacle,J., Hamels,S., Zammattéo,N., Lockman,L., Dufour,S.,
TITLE Identification of biological (micro) organisms by detection of the
JOURNAL 1r homologous nucleotide sequences on arrays
JOURNAL Patent: WO 0177372-A 167 18-OCT-2001;
FEATURES Facultes Universitaires Notre-Dame de la Paix (BE)
LOCATION/Qualifiers
source
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="HTR6 Capture Probe"
BASE COUNT 4 a 4 c 9 g 1 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1456 CTCGAGCTGCTCTAC 1471
Db 16 CTCGCGCTGCGCTAC 1

RESULT 585
AX284155
LOCUS AX284155 18 bp DNA linear PAT 20-NOV-2001
DEFINITION Sequence 12 from Patent WO0178756.
ACCESSION AX284155
VERSION AX284155.1 GI:17044843
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Wiederanders,B. and Maubach,G.
TITLE Agent for postoperative use after the removal of bone tumors
JOURNAL Patent: WO 0178756-A 12 25-OCT-2001;
JOURNAL Dupuy Biotech Jena GmbH (DE)
FEATURES Location/Qualifiers
source
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="Spacermolekul-spacer zwischen Cystatin C und BMP-2"
<1. .>18
/notes="unnamed protein product"
/codon_start=1
/tranl_table=11
/protein_id="CAD12163.1"
/db_xref="GI:17044844"
/translation="SGGGG"
CDS 1 a 3 c 11 g 3 t
BASE COUNT 1 a 3 c 11 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGCGCGCGG 1383
Db 2 GCGGTGGCGGTGGCGG 17

RESULT 586
AX323452/c
LOCUS AX323452 18 bp DNA linear PAT 07-JAN-2002
DEFINITION Sequence 44 from Patent WO0192578.
ACCESSION AX323452
VERSION AX323452.1 GI:18094215
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Roninson,I.B., Dokmanovic,M. and Chang,B.D.
TITLE Reagents and methods for identifying and modulating expression of
JOURNAL genes regulated by retinoids
JOURNAL Patent: WO 0192578-A 44 06-DEC-2001;
FEATURES Board of Trustees of the University of Illinois (US)
LOCATION/Qualifiers
source
1. .18
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/notes="Antisense primer for beta-IG-H3 reporter gene
construction"
BASE COUNT 4 a 4 c 8 g 2 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 866 CTCACCTTCCTGGACC 881
Db 18 CTCACCTTCCTGGACC 3

RESULT 587
AX394481/c
LOCUS AX394481 18 bp DNA linear PAT 18-MAY-2002
DEFINITION Sequence 26 from Patent WO0218638.
ACCESSION AX394481
VERSION AX394481.1 GI:21065619
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Risager,C., Andersson,M.K., Lewander,T. and Ollasson,E.
TITLE Detection of cyp2d6 polymorphisms
JOURNAL Patent: WO 0218638-A 26 07-MAR-2002;
JOURNAL Gemini Genomics PLC (GB)
FEATURES Location/Qualifiers
source
1. .18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/notes="Synthetic oligonucleotide"
BASE COUNT 1 a 9 c 2 g 6 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 48 GAAGGAAAGCGCAAG 63
Db 18 GTAGGAAAGCGCAAG 3

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RESULT 588
AX556880
LOCUS AX556880 18 bp DNA linear PAT 27-NOV-2002
DEFINITION Sequence 7 from Patent WO02058723.
ACCESSION AX556880
VERSION AX556880.1 GI:25899978
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1.
AUTHORS Vicari,A.P., Caux,C. and Laface,D.
TITLE Chemokines as adjuvants of immune response
JOURNAL Patent: WO 02058723-A 7 01-AUG-2002;
Schering Corporation (US)
FEATURES
LOCATION/Qualifiers
source
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="primer"
BASE COUNT 0 a 5 c 5 g 8 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1306 GCTCTGGCTGCTGCTG 1321
Db 3 GCTCTGGCTGCTGCTT 18
RESULT 589
AX659153
LOCUS AX659153 18 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 8 from Patent WO02101002.
ACCESSION AX659153
VERSION AX659153.1 GI:29161387
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1.
AUTHORS Escary,J.L.
TITLE New polynucleotides and polypeptides of the HGH-V gene
JOURNAL Patent: WO 02101002-A 8 19-DEC-2002;
GenOdysee (FR)
FEATURES
LOCATION/Qualifiers
source
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 0 a 5 c 5 g 8 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1226 GTGCTGGCTGCTGCT 1241
Db 1 GTGCTGGCTGCTTGTCT 16
RESULT 590
AX705791
LOCUS AX705791 18 bp DNA linear PAT 04-APR-2003
DEFINITION Sequence 460 from Patent WO03014388.
ACCESSION AX705791
VERSION AX705791.1 GI:29562456
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1.
AUTHORS Waschuetz,S., Schnakenberg,E. and Lustig,M.
TITLE Method and diagnostic kit for the molecular diagnosis of
pharmacologically relevant genes
JOURNAL Patent: WO 03018837-A 81 06-MAR-2003;
Adnagen AG (DE)
FEATURES
LOCATION/Qualifiers
source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Detection oligonucleotide for TP53"
BASE COUNT 6 a 1 c 5 g 6 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 464 AAGTTGAACGCTTTGG 479
Db 1 AAGTTGAACGTTTAGG 16
RESULT 591
AX708559/c
LOCUS AX708559 18 bp DNA linear PAT 04-APR-2003
DEFINITION Sequence 10 from Patent WO02101089.
ACCESSION AX708559
VERSION AX708559.1 GI:29564326
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1.
AUTHORS Snaird,J. and Beifmohr,C.
TITLE Method for specific, fast detection of threadlike bacteria
JOURNAL Patent: WO 02101089-A 10 19-DEC-2002;
Vermicon AG (DE)
FEATURES
LOCATION/Qualifiers
source
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Oligonukleotid"
BASE COUNT 1 a 7 c 7 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1537 CTGAAGCCGGGGGGCC 1552
Db 17 CCGAAGCCGGTGGGCC 2
RESULT 592
AX713195
LOCUS AX713195 18 bp DNA linear PAT 11-APR-2003
DEFINITION Sequence 81 from Patent WO03016837.
ACCESSION AX713195
VERSION AX713195.1 GI:29823784
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE
1.
AUTHORS Waschuetz,S., Schnakenberg,E. and Lustig,M.
TITLE Method and diagnostic kit for the molecular diagnosis of
pharmacologically relevant genes
JOURNAL Patent: WO 03018837-A 81 06-MAR-2003;
Adnagen AG (DE)
FEATURES
LOCATION/Qualifiers
source
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Oligonukleotid"
BASE COUNT 1 a 7 c 7 g 3 t
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1537 CTGAAGCCGGGGGGCC 1552
Db 17 CCGAAGCCGGTGGGCC 2
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source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Oligonucleotide"
4 a 3 c 9 g 2 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 515 CTGCGGGTGACCGAGG 530
Db 2 CAGTGGGTGACCGAGG 17

RESULT 593
AX718864/c
LOCUS AX718864 18 bp DNA linear PAT 15-APR-2003
DEFINITION Sequence 428 from Patent WO02103043.
ACCESSION AX718864
VERSION AX718864.1 GI:29891431
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Beinfuhr, C. and Snaidr, J.
TITLE Method for the specific fast detection of bacteria which is harmful
JOURNAL to beer
PATENT: WO 02103043-A 428 27-DEC-2002;
Vermicon AG (DE)
FEATURES
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Oligonucleotide"
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BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 506 GGAGTCAAACTGGGG 521
Db 17 GGATTGAAGTCCGG 2

RESULT 594
AX719127
LOCUS AX719127 18 bp DNA linear PAT 15-APR-2003
DEFINITION Sequence 8 from Patent EP1295938.
ACCESSION AX719127
VERSION AX719127.1 GI:29891614
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Becary, J.L.
TITLE Corrected sequence of the hgh-v gene and an allelic variant
JOURNAL Patent: EP 1295938-A 8 26-MAR-2003;
GenOdysee (FR)
FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
0 a 5 c 8 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1226 GTGCTGGCTCGTCT 1241
Db 1 GTGTGGCTCTTGCT 16

RESULT 595
BD012743
LOCUS BD012743 18 bp DNA linear PAT 02-AUG-2002
DEFINITION A novel frizzled family gene, 584.
ACCESSION BD012743
VERSION BD012743.1 GI:22092932
KEYWORDS WO 0112808-A/16.
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS Seno, C. and Numata, M.
TITLE A novel frizzled family gene, 584
JOURNAL Patent: WO 0112808-A 16 22-FEB-2001;
CHUGAI RESEARCH INSTITUTE FOR MOLECULAR MEDICINE INC, CHIAKI SENO,
MARIKO NUMATA
COMMENT
OS Artificial Sequence
PN WO 0112808-A/16
PD 22-FEB-2001
PF 18-AUG-2000 WO 2000JP005552
PR 18-AUG-1999 JP 99F 232018
PI CHIAKI SENO, MARIKO NUMATA
PC C12N15/12, C12N5/10, C12N1/15, C12N1/19, C12N1/21, C12Q1/02, PC
C07K14/705
CC C07K16/28, C12P21/02
CC Description of Artificial Sequence: artificially synthesized
primer
CC sequence C07K14/705,
FEATURES
Location/Qualifiers
1..18
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
4 a 7 c 7 g 0 t
BASE COUNT
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1342 CGCGGGGACAGCGGC 1357
Db 1 CGACGGGACAGCGGC 16

RESULT 596
BD065500
LOCUS BD065500 18 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065500
VERSION BD065500.1 GI:22611103
KEYWORDS JP 2001511000-A/135.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 18)
AUTHORS Schlengensiepen, K.H. and Brysch, W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 135 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FÜR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT
OS Unknown
PN JP 2001511000-A/135
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533

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PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCHE
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Key
    Location/Qualifiers
    FT source 1..18
    FT /organism='Unknown'.

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    /organism='unidentified'
    /mol_type='genomic DNA'
    /db_xref='taxon:32644'
BASE COUNT 1 a 5 c 10 g 2 t
    Query Match 0.8%; Score 12.8; DB 1; Length 18;
    Best Local Similarity 87.5%; Pred. No. 5.9e+02;
    Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1424 GGTGGGGGGCCACCG 1439
DB 2 GGTGACGGGGCGCCG 17

RESULT 597
BD074290
LOCUS 18 bp DNA linear PAT 27-AUG-2002
DEFINITION Screening method for assaying individual having danger of onset of
    disease related to polymorphic morphology of different wild-type
    p53.
ACCESSION BD074290.1 GI:22619893
KEYWORDS JP 2001514860-A/4.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS Matlashewski,G.J., Banks,L, and Storey,A.
TITLE Screening method for assaying individual having danger of onset of
    disease related to polymorphic morphology of different wild-type
    p53
JOURNAL Patent: JP 2001514860-A 4 18-SEP-2001;
    MCGILL UNIVERSITY,IMPERIAL CANCER RESEARCH TECHNOLOGY,
    INTERNATIONAL CENTER FOR GENETIC ENGINEERING AND BIOTECHNOLOGY
COMMENT OS Artificial Sequence
    PN JP 2001514860-A/4
    PD 18-SEP-2001
    PF 31-AUG-1998 JP 2000508823
    PR 02-SEP-1997 CA 2214461
    PI GREG J MATLASHESKI,LAWRENCE BANKS,ALAN STOREY PC
    C12Q1/68,C12N15/09,G01N33/15,G01N33/50,G01N33/569,G01N33/574, PC
    C12N15/00
    CC Human p53
    FH Key
    FT source 1..18
    FT /location/Qualifiers
    FT /organism='Artificial Sequence'.

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    /organism='synthetic construct'
    /mol_type='genomic DNA'
    /db_xref='taxon:32630'
BASE COUNT 2 a 6 c 8 g 2 t
    Query Match 0.8%; Score 12.8; DB 1; Length 18;
    Best Local Similarity 87.5%; Pred. No. 5.9e+02;
    Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1422 CGGTGGGGGGCCAC 1437
DB 1 CCGGTGACGGGGCCAC 16

RESULT 598
BD104198/c

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LOCUS BD104198 18 bp DNA linear PAT 27-AUG-2002
DEFINITION Kit and method for determining HLA type.
ACCESSION BD104198
VERSION BD104198.1 GI:22649772
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
    Nishida,M.
TITLE Kit and method for determining HLA type
JOURNAL Patent: WO 0192572-A 302 06-DEC-2001;
    NISSHINO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO
    KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO
    NISHIDA
COMMENT OS Artificial Sequence
    PN WO 0192572-A/302
    PD 06-DEC-2001
    PF 01-JUN-2001 WO 2001JP004662
    PR 01-JUN-2000 JP 00P 164798
    PI HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI
    MATSUMURA,
    PI SHOGO MORIYA,MICHIO NISHIDA
    PC C12Q1/68,C12M1/00,C12N15/09,G01N33/53
    CC Description of Artificial Sequence:capture
    FH Key
    FT source 1..18
    FT /location/Qualifiers
    FT /organism='Artificial Sequence'.

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    /mol_type='genomic DNA'
    /db_xref='taxon:32630'
BASE COUNT 2 a 9 g 1 t
    Query Match 0.8%; Score 12.8; DB 1; Length 18;
    Best Local Similarity 87.5%; Pred. No. 5.9e+02;
    Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 949 CACCGCGCGCACCTG 964
DB 17 CACCGCGCGCGCTG 2

RESULT 599
BD106627
LOCUS 18 bp DNA linear PAT 18-SEP-2002
DEFINITION Zinc finger protein derivatives and methods therefor.
ACCESSION BD106627
VERSION BD106627.1 GI:23201445
KEYWORDS JP 2002502249-A/42.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 18)
AUTHORS Iii,C.F.B., Gottesfeld,J.M. and Wright,P.E.
TITLE Zinc finger protein derivatives and methods therefor
JOURNAL Patent: JP 2002502249-A 42 22-JAN-2002;
    THE SCRIPPS RESEARCH INSTITUTE
COMMENT PN JP 2002502249-A/42
    PD 22-JAN-2002
    PF 27-MAY-1998 JP 1999500870
    PR 27-MAY-1997 US 08/863813
    PI CARLOS F BARBAS III,JOEL M GOTTESFELD,PETER E WRIGHT PC
    C12N15/01,C12N15/11,C12N15/12,C12N15/33,C12N15/62,C12N15/70, PC
    C07K14/00,
    PC C07K14/005,C07K14/435,C07K19/00,A61K38/16,A61K38/17,C12Q1/02,
    PC C12Q1/68,
    PC C12Q1/70
    CC Strandedness: Single;
    CC Topology: Linear;
    FH Key
    FT source 1..18
    FT /location/Qualifiers

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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

BASE COUNT          0 a      3 c      14 g      1 t

Query Match          0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGGCGGG 1383
Db 1 GCGTGGCGGGCGGG 16

RESULT 600
BD107307
LOCUS              18 bp      DNA      linear      PAT 18-SEP-2002
DEFINITION         Reelin protein CR-50 epitope domain.
ACCESSION          BD107307
VERSION            BD107307.1 GI:23202125
KEYWORDS            JP 2002017361-A/10.
SOURCE              synthetic construct
ORGANISM            artificial sequences.
REFERENCE           1 (bases 1 to 18)
AUTHORS             Mikeshiba,K. and Tate,N.
TITLE              Reelin protein CR-50 epitope domain
JOURNAL             Patent: JP 2002017361-A 10 22-JAN-2002;
                    THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH
COMMENT             OS Artificial Sequence
                    PN JP 2002017361-A/10
                    PD 22-JAN-2002
                    PF 04-JUL-2000 JP 2000202801
                    PI KATSUHIKO MIKOSHIBA,NAOKO TATE
                    PC C12N15/09,A61K31/711,A61K48/00,A61P25/00,C07K14/47,
                    PC C12N1/15,
                    PC C12N1/19,C12N1/21,C12N5/10,C12P21/02,G01N33/15,G01N33/50, PC
                    G01N33/50,
                    PC G01N33/53// (C12N15/09,C12R1:91), (C12N1/21,C12R1:19),C12N15/00,
                    PC A61K37/02,
                    PC C12N5/00,(C12N15/00,C12R1:91)
                    CC synthetic primer for PCR
                    FH Key Location/Qualifiers
                    FT source 1..18
                    FT /organism="Artificial Sequence".

FEATURES             source
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                    /organism="synthetic construct"
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                    /db_xref="taxon:32630"

BASE COUNT          4 a      5 c      6 g      3 t

Query Match          0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 773 GAGCAGGGCGGCACCA 788
Db 1 GAGCAGTGTGGCACCA 16

RESULT 601
BD171754/c
LOCUS              18 bp      DNA      linear      PAT 18-FEB-2003
DEFINITION         Method for detecting microorganisms, and primer set for detecting
                    microorganisms.
ACCESSION          BD171754
VERSION            BD171754.1 GI:28413048
KEYWORDS            JP 2002223766-A/12.
SOURCE              synthetic construct

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ORGANISM             synthetic construct
REFERENCE             artificial sequences.
AUTHORS               1 (bases 1 to 18)
TITLE                Ezaki,T.
JOURNAL              Method for detecting microorganisms, and primer set for detecting
                    microorganisms
COMMENT              Patent: JP 2002223766-A 12 13-AUG-2002;
                    RAKAN CO LTD,TAKAYUKI EZAKI,KATSUMI ENDO
                    OS Artificial Sequence
                    PN JP 2002223766-A/12
                    PD 13-JAN-2002
                    PF 31-JAN-2001 JP 2001023742
                    PI TAKAYUKI EZAKI
                    PC
                    C12N15/09,C12O1/69// (C12N15/09,C12R1:01), (C12N15/09,C12R1:385), PC
                    (C12N15/09,C12R1:19), (C12N15/09,C12R1:325), (C12N15/09 PC
                    ,C12R1:645),C12N15/00,
                    PC
                    (C12N15/00,C12R1:01), (C12N15/00,C12R1:385), (C12N15/00,C12R1:19) PC
                    PC
                    (C12N15/00,C12R1:325), (C12N15/00,C12R1:645)
                    CC Description of Artificial Sequence:Synthesized Primer Sequence

FEATURES             source
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                    Location/Qualifiers
                    CC Acinetobacter spp
                    FH Key Location/Qualifiers
                    FT source 1..18
                    FT /organism="Artificial Sequence".

BASE COUNT          3 a      6 c      3 g      6 t

Query Match          0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1157 ACCCTAAGCGAGGAGG 1172
Db 17 ACTTTAAGCGAGGAGG 2

RESULT 602
E06267/c
LOCUS              E06267
DEFINITION         Primer.
ACCESSION          E06267
VERSION            E06267.1 GI:2174454
KEYWORDS            JP 1994000085-A/107.
SOURCE              synthetic construct
ORGANISM            artificial sequences.
REFERENCE           1 (bases 1 to 18)
AUTHORS             Seki,M., Honda,Y., Takahashi,K., Murakami,T., Teranishi,Y. and
                    Hayashi,N.
TITLE              GENE OR DNA FRAGMENT DERIVED FROM HEPATITIS C VIRUS, POLYPEPTIDE
                    CODED BY THE SAME AND ITS PRODUCTION
JOURNAL             Patent: JP 1994000085-A 107 11-JAN-1994;
                    MITSUBISHI KASEI CORP
COMMENT              OS Artificial gene
                    OC Artificial sequence; Genes.
                    PN JP 1994000085-A/107
                    PD 11-JAN-1994
                    PF 11-JUN-1992 JP 1992194497
                    PR 11-JUN-1991 JP 91P 139268, 12-JUL-1991 JP 91P 172794, PR
                    07-OCT-1991 JP 91P 287008, 16-DEC-1991 JP 91P 332329, PR
                    20-APR-1992 JP 92P 99957
                    PI SEKI MAKOTO, HONDA YOSHIKAZU, TAKAHASHI KAZUNOBU, PI
                    MURAKAMI TOMOKO,
                    PI TERANISHI YUTAKA, HAYASHI NORIO
                    PC C12N15/51,C07K7/06,C07K7/08,C07K7/10,C07K13/00,C07K15/12, PC

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C12N1/21,C12N5/10,
 PC C12N15/11,C12N15/70,C12N15/85,C12P21/02//A61K39/00,A61K39/29,
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 PC C12R1:19),(C12N5/10,C12R1:91),(C12P21/02,C12R1:19),(C12P21/02,
 PC C12R1:91),
 PC C07K99:00;
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 CC topology: Linear;
 CC Location/Qualifiers
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 /mol_type="genomic DNA"
 /db_xref="taxon:32630" 2 t
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 BASE COUNT
 Query Match 0.8%; Score 12.8; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 121 CAGCTCGGAGTCTTC 136
 Db 18 CCGCTCGGAGTCTTC 3

RESULT 603
 E06463/C
 LOCUS
 DEFINITION
 ACCESSION
 E06463
 VERSION
 E06463.1 GI:2174650
 KEYWORDS
 JP 1994000086-A/107.
 SOURCE
 synthetic construct
 ORGANISM
 artificial sequences.
 1 (bases 1 to 18)
 /organism="synthetic construct"
 /mol_type="genomic DNA"
 /db_xref="taxon:32630"
 18 CCGCTCGGAGTCTTC 3
 BASE COUNT
 Query Match 0.8%; Score 12.8; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 121 CAGCTCGGAGTCTTC 136
 Db 18 CCGCTCGGAGTCTTC 3

RESULT 604
 E06463/C
 LOCUS
 DEFINITION
 ACCESSION
 E06463
 VERSION
 E06463.1 GI:2174650
 KEYWORDS
 JP 1994000086-A/107.
 SOURCE
 synthetic construct
 ORGANISM
 artificial sequences.
 1 (bases 1 to 18)
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 /mol_type="genomic DNA"
 /db_xref="taxon:32630"
 18 CCGCTCGGAGTCTTC 3
 BASE COUNT
 Query Match 0.8%; Score 12.8; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 121 CAGCTCGGAGTCTTC 136
 Db 18 CCGCTCGGAGTCTTC 3

E32535/c
 LOCUS
 DEFINITION
 ACCESSION
 E32535
 VERSION
 E32535.1 GI:13026782
 KEYWORDS
 JP 199123094-A/35.
 SOURCE
 synthetic construct
 ORGANISM
 artificial sequences.
 1 (bases 1 to 18)
 /organism="synthetic construct"
 /mol_type="genomic DNA"
 /db_xref="taxon:32630"
 6 a 8 c 4 g 0 t
 BASE COUNT
 Query Match 0.8%; Score 12.8; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1225 GGTGCTGGCTCGTGC 1240
 Db 18 GGTGCTGGCTCGTTC 3

RESULT 605
 I34449
 LOCUS
 DEFINITION
 ACCESSION
 I34449
 VERSION
 I34449.1 GI:1825240
 KEYWORDS
 Unknown.
 SOURCE
 Unknown.
 ORGANISM
 Unclassified.
 1 (bases 1 to 18)
 /organism="synthetic construct"
 /mol_type="genomic DNA"
 /db_xref="taxon:32630"
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 BASE COUNT
 Query Match 0.8%; Score 12.8; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1545 GGGGGCGGGGAGG 1560
 Db 2 GGGGAGCGGGGAGG 17

RESULT 606
 I73252
 I34449
 LOCUS
 DEFINITION
 ACCESSION
 I34449
 VERSION
 I34449.1 GI:1825240
 KEYWORDS
 Unknown.
 SOURCE
 Unknown.
 ORGANISM
 Unclassified.
 1 (bases 1 to 18)
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 /mol_type="genomic DNA"
 /db_xref="taxon:32630"
 3 a 3 c 12 g 0 t
 BASE COUNT
 Query Match 0.8%; Score 12.8; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 5.9e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 1545 GGGGGCGGGGAGG 1560
 Db 2 GGGGAGCGGGGAGG 17

```

LOCUS       I73252               18 bp    DNA             linear      PAT 03-APR-1998
DEFINITION   Sequence 9 from patent US 568264.
ACCESSION    I73252
VERSION      I73252.1   GI:3009391
KEYWORDS     .
SOURCE       Unknown.
ORGANISM     Unknown.
REFERENCE    1 (bases 1 to 18)
AUTHORS      Gaynor,R.B., Garcia,J.A. and Harrich,D.
TITLES       Compositions and methods relating to transdominant Tat mutants
JOURNAL      Patent: US 568264-A 9 11-NOV-1997;
FEATURES     Location/Qualifiers
             source
             1..18
             /organism="unknown"
BASE COUNT   3 a    3 c    12 g    0 t
             0.8%; Score 12.8; DB 1; Length 18;
             Best Local Similarity 87.5%; Pred. No. 5.9e+02;
             Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1545 GGGGGCGCGGGGAGG 1560
           ||||| ||||| ||||| |||||
Db          2 GGGGAGCGCGGAGG 17

RESULT 607
ATH524348/c
LOCUS       ATH524348/c          18 bp    DNA             linear      PLN 29-MAR-2003
DEFINITION   Arabidopsis thaliana T-DNA flanking sequence, left border, clone
              07B12.
ACCESSION    AJ524348
VERSION      AJ524348.1   GI:26792584
KEYWORDS     left border; T-DNA flanking sequence.
SOURCE       Arabidopsis thaliana (thale cress)
ORGANISM     Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
REFERENCE    1
AUTHORS      Brunaud,V., Balzerque,S., Dubreucq,B., Aubourg,S., Samson,F.,
              Chauvin,S., Bechtold,N., Cruaud,C., DeRose,R., Pelletier,G.,
              Lepiniec,L., Caboche,M. and Lecharny,A.
TITLES       T-DNA integration into the Arabidopsis genome depends on sequences
              of pre-insertion sites
JOURNAL      EMBO Rep. 3 (12), 1152-1157 (2002)
MEDLINE      22363535
PUBMED       12446565
REFERENCE    2 (bases 1 to 18)
AUTHORS      Balzerque,S.
TITLES       Direct Submission
JOURNAL      Submitted (21-NOV-2002) Balzerque S., UMRGV, INRA/CNRS, 2 rue
              Gaston Cremieux, 91057 Evry cedex, FRANCE
COMMENT      PCR was performed on DNA from transformants of Arabidopsis thaliana
              plants from INRA (Versailles). The DNA fragment(s) resulting from
              the PCR were directly sequenced from the left or the right border
              to determine the genomic sequence flanking the insertion. T-DNA
              derived sequences were removed. Information to order the
              corresponding mutant line and a link to a database providing a
              graphical display of the insertion site are available at
              http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
              been generated in the framework of the French plant genomics
              program 'Genoplante' (http://www.genoplante.com and
              http://genoplante-info.infobiogen.fr).
FEATURES     Location/Qualifiers
             source
             1..18
             /organism="Arabidopsis thaliana"
             /mol_type="genomic DNA"
             /cultivar="Wassilewskija"
             /db_xref="taxon:3702"
             /clone="073E12"
             /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
misc_feature 1..18

```

```

/note="T-DNA flanking sequence
left border"
BASE COUNT   3 a    2 c    1 g    12 t
             0.8%; Score 12.8; DB 1; Length 18;
             Best Local Similarity 87.5%; Pred. No. 5.9e+02;
             Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          410 AAGGATGAAGAAACA 425
           || ||||| ||||| |||||
Db          18 AAAGATGAAGAAACA 3

RESULT 608
D00269S13/c
LOCUS       D00269S13          18 bp    DNA             linear      PRI 21-SEP-2002
DEFINITION   Homo sapiens gene for tyrosine hydroxylase, exon 9, partial
              sequence.
ACCESSION    D00281
VERSION      D00281.1   GI:220111
KEYWORDS     13 of 24
SEGMENT      Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      O'Malley,K.L., Anhalt,M.J., Martin,B.M., Kelsae,J.R., Winfield,S.L.
              and Ginsu,E.I.
TITLES       Isolation and characterization of the human tyrosine hydroxylase
              gene: identification of 5' alternative splice sites responsible for
              multiple mRNAs
JOURNAL      Biochemistry 26 (22), 6910-6914 (1987)
MEDLINE      88107612
PUBMED       2892528
REFERENCE    2 (bases 1 to 18)
AUTHORS      Kobayashi,K., Kaneda,N., Ichinose,H., Kishi,F., Nakazawa,A.,
              Kurosawa,Y., Fujita,K. and Nagatsu,T.
TITLES       Structure of the human tyrosine hydroxylase gene: alternative
              splicing from a single gene accounts for generation of four mRNA
              types
JOURNAL      J. Biochem. 103 (6), 907-912 (1988)
MEDLINE      89008200
PUBMED       2902075
COMMENT      In [1], they determined the nucleotide sequences of all exons and
              their surrounding regions of human TH gene, and the exon/intron
              boundaries are shown. The boundaries were determined by comparing
              the genomic DNA sequence with the cDNA sequence. The human TH gene
              is split into 14 exons. In [1], they concluded that the four types
              of human TH mRNA are produced through alternative splicing from a
              single gene.
FEATURES     Location/Qualifiers
             source
             1..18
             /organism="Homo sapiens"
             /mol_type="genomic DNA"
             /db_xref="taxon:9606"
             /note="120 bp after segment 12"
             <1..8
             /product="tyrosine hydroxylase"
             /note="AA 355 at 1"
             /number=9
             9..18
             /number=9
             16
             /citation=[1]
             /replace="c"
BASE COUNT   2 a    5 c    8 g    3 t
             0.8%; Score 12.8; DB 1; Length 18;
             Best Local Similarity 87.5%; Pred. No. 5.9e+02;
             Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY          1190 CCGTCTACGGCCGAGG 1205

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Db      16 CCACTACGCGCTCAGG 1
|| ||||| |||||
Query Match      0.8%; Score 12.8; DB 1; Length 32;
Best Local Similarity 62.5%; Pred. No. 5.9e+02;
Matches 20; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

RESULT 609
AB069291
LOCUS      18 bp      DNA      linear      SYN 21-MAY-2003
DEFINITION Synthetic construct DNA, reverse primer for human STS sts-R-48021R
at lp36.
ACCESSION AB069291.1 GI:15130095
VERSION    1
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.

REFERENCE   1
AUTHORS    Chen, Y. Z., Hayashi, Y., Wu, J. G., Takaoka, E., Maekawa, K.,
            Watanabe, N., Inazawa, J., Hosoda, F., Arai, Y., Mizushima, H.,
            Morohashi, A., Ohira, M., Nakagawara, A., Liu, S., Hoshi, M., Horii, A.,
            and Soeda, E.
TITLE      A BAC-based STS-content map spanning a 35-Mb region of human
            chromosome 1p35-p36
JOURNAL    Genomics 74 (1), 55-70 (2001)
MEDLINE    21269192
PUBMED     11374902
REFERENCE   2 (bases 1 to 18)
AUTHORS    Horii, A.
TITLE      Direct Submission
JOURNAL    Submitted (04-AUG-2001) Akira Horii, Tohoku University School of
            Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai,
            Miyagi 980-8575, Japan (E-mail: horii@mail.cc.tohoku.ac.jp,
            Tel: 81-22-717-8042, Fax: 81-22-717-8047)
FEATURES   Location/Qualifiers
            source          1..18
                        /organism="synthetic construct"
                        /mol_type="genomic DNA"
                        /db_xref="taxon:32630"
            misc_feature    1..18
                        /notes="reverse primer for human STS sts-R-48021R at lp36
                        sts-R-48021R obtained from clones B48021, B337E17, B83P11,
                        Human BAC library RPECI-11"

BASE COUNT      4 a      7 c      5 g      2 t

Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 5.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1530 AGTCACGCTGAAGCCG 1545
|| ||||| |||||
Db      2 AGGCCACCTGAAGCCG 17

RESULT 610
LOCUS      32 bp      DNA      linear      PAT 12-MAR-1998
DEFINITION Sequence 5 from Patent WO9720068.
ACCESSION  A62993
VERSION     A62993.1 GI:3716865
KEYWORDS    unidentified
SOURCE       unidentified
ORGANISM     unclassified.

REFERENCE   1
AUTHORS     Oerum, H. and Seeger, C.
TITLE       METHOD FOR GENERATING MULTIPLE DOUBLE STRANDED NUCLEIC ACIDS
JOURNAL     Patent: WO 9720068-A 5 05-JUN-1997;
            BOEHRINGER MANNHEIM GMBH (DE)
FEATURES     Location/Qualifiers
            source          1..32
                        /organism="unidentified"
                        /mol_type="genomic DNA"
                        /db_xref="taxon:32644"
            BASE COUNT      0 a      30 c      2 g      0 t

Query Match      0.8%; Score 12.8; DB 1; Length 50;
Best Local Similarity 70.8%; Pred. No. 5.2e+02;
Matches 17; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy      1346 GGGGACAGCGCGCGCGGACCGC 1369
|| ||||| |||||
Db      5 GGGGTACGCTGCTGGGGTGCTC 28

RESULT 613
BD016571/c
LOCUS      20 bp      DNA      linear      PAT 27-AUG-2002

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Query Match      0.8%; Score 12.8; DB 1; Length 32;
Best Local Similarity 62.5%; Pred. No. 5.9e+02;
Matches 20; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy      76 CGCACACACCGCGCGCGGACTCGCGCCGG 107
|| ||||| |||||
Db      1 CCCCCCCCCCCCCCCCCCCCCCCCCCGG 32

RESULT 611
ARI79068
LOCUS      32 bp      DNA      linear      PAT 16-MAY-2002
DEFINITION Sequence 5 from patent US 6326143.
ACCESSION  ARI79068
VERSION     ARI79068.1 GI:20220623
KEYWORDS    Unknown.
SOURCE       Unknown.
ORGANISM     Unclassified.
REFERENCE   1 (bases 1 to 32)
AUTHORS     Orum, H. and Seeger, C.
TITLE       Method for generating multiple double stranded nucleic acids
JOURNAL     Patent: US 6326143-A 5 04-DEC-2001;
FEATURES     Location/Qualifiers
            source          1..32
                        /organism="unknown"
                        /mol_type="genomic DNA"
            BASE COUNT      0 a      30 c      2 g      0 t

Query Match      0.8%; Score 12.8; DB 1; Length 32;
Best Local Similarity 62.5%; Pred. No. 5.9e+02;
Matches 20; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy      76 CGCACACACCGCGCGCGGACTCGCGCCGG 107
|| ||||| |||||
Db      1 CCCCCCCCCCCCCCCCCCCCCCCCCCGG 32

RESULT 612
ARI46616
LOCUS      50 bp      DNA      linear      PAT 31-MAY-2001
DEFINITION Sequence 78 from Patent WO0134654.
ACCESSION  ARI46616
VERSION     ARI46616.1 GI:14285009
KEYWORDS    Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Homo sapiens
REFERENCE   1
AUTHORS     Strauch, K.
TITLE       Hedgehog fusion proteins and uses
JOURNAL     Patent: WO 0134654-A 78 17-MAY-2001;
            BIOGEN, INC. (US)
FEATURES     Location/Qualifiers
            source          1..50
                        /organism="Homo sapiens"
                        /mol_type="genomic DNA"
                        /db_xref="taxon:9606"
            BASE COUNT      6 a      19 c      15 g      10 t

Query Match      0.8%; Score 12.8; DB 1; Length 50;
Best Local Similarity 70.8%; Pred. No. 5.2e+02;
Matches 17; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy      1346 GGGGACAGCGCGCGCGGACCGC 1369
|| ||||| |||||
Db      5 GGGGTACGCTGCTGGGGTGCTC 28

RESULT 613
BD016571/c
LOCUS      20 bp      DNA      linear      PAT 27-AUG-2002

```

DEFINITION Genes and proteins participating in the upstream of degradation
passage of aromatic polycyclic compound.
ACCESSION BD016571
VERSION BD016571.1 GI:22557747
KEYWORDS JP 2001245662-A/59.
SOURCE synthetic construct
ORGANISM artificial sequences
REFERENCE 1 (bases 1 to 20)
AUTHORS Saito,A., Tamatsubo,K. and Adachi,K.
TITLE Genes and proteins participating in the upstream of degradation
JOURNAL Passage of aromatic polycyclic compound
COMMENT Patent: JP 2001245662-A 59 11-SEP-2001;
MARINE BIOTECHNOLOGY INST CO LTD
OS Artificial Sequence
PN JP 2001245662-A/59
PD 11-SEP-2001
PF 03-MAR-2000 JP 2000059523
PI ATSUSHI SAITO,KAZUAKI TAMATSUBO,KYOKO ADACHI
PC C12N15/09,C12N9/02,C12N15/00
CC Description of Artificial Sequence: Synthetic primer KP205. FH
Key Location/Qualifiers
FEATURES
Source 1..20
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630" 1 t
BASE COUNT 5 a 5 c 9 g 1 t
Query Match 0.8%; Score 12.6; DB 1; Length 20;
Best Local Similarity 78.9%; Pred. No. 6.3e+02;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 864 TCCTCACTTCCTGGACCG 882
Db 19 TCCTCGCTGTCCAGGTCGG 1
RESULT 614
AX146611/C
LOCUS AX146611 47 bp DNA linear PAT 31-MAY-2001
DEFINITION Sequence 73 from Patent WO0134654.
ACCESSION AX146611
VERSION AX146611.1 GI:14285004
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Strauch,K.
TITLE Hedgehog fusion proteins and uses
JOURNAL Patent: WO 0134654-A 73 17-MAY-2001;
BIOGEN, INC. (US)
FEATURES Location/Qualifiers
Source 1..47
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606" 3 t
BASE COUNT 9 a 15 c 20 g 3 t
Query Match 0.8%; Score 12.6; DB 1; Length 47;
Best Local Similarity 55.8%; Pred. No. 5.6e+02;
Matches 24; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
QY 959 CACCTGCTCTTTTGGCGCGCACAGCTCGGCCACCGGG 1001
Db 44 CAGCTGCTGGGGTGGCTCTCTCTCCGAACCCCTGCCCGGG 2
RESULT 615
A87910
LOCUS A87910 14 bp DNA linear PAT 22-JAN-2000

DEFINITION Sequence 58 from Patent WO9833904.
ACCESSION A87910
VERSION A87910.1 GI:6736480
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch,W. and Schlingensiepen,K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 58 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES Location/Qualifiers
Source 1..14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644" 3 t
BASE COUNT 1 a 6 c 4 g 3 t
Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1400 GCTCCAGGTGCTGC 1413
Db 1 GCTCCAGGTGCTGC 14
RESULT 616
A89202/c
LOCUS A89202 14 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 1350 from Patent WO9833904.
ACCESSION A89202
VERSION A89202.1 GI:6737772
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch,W. and Schlingensiepen,K.
TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 1350 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
FEATURES Location/Qualifiers
Source 1..14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644" 3 g 0 t
BASE COUNT 5 a 6 c 3 g 0 t
Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 153 TGCTGCTGCTGGCG 166
Db 14 TGCTGCTGCTGGTG 1
RESULT 617
A89877
LOCUS A89877 14 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 58 from Patent EP0856579.
ACCESSION A89877
VERSION A89877.1 GI:6738391
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 14)
AUTHORS Brysch,W.D. and Schlingensiepen,K.D.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: EP 0856579-A 58 05-AUG-1998;

FEATURES Source

BIOGNOSTIK GES (DE)
Location/Qualifiers
1..14
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
3 t

BASE COUNT 1 a 6 c 4 g 3 t

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1400 GCTCCAGGTCGTC 1413
Db 1 GCTCCAGGTCGTC 14

RESULT 618
AX007878
LOCUS AX007878 14 bp DNA linear PAT 06-SEP-2000
DEFINITION Sequence 420 from Patent WO967428.
ACCESSION AX007878
VERSION AX007878.1 GI:9995575
KEYWORDS Aids-associated retrovirus
SOURCE Aids-associated retrovirus
ORGANISM Viruses; Retroviridae

REFERENCE 1
AUTHORS Stuyver, L.
TITLE Method for detection of drug-selected mutations in the hiv protease gene
JOURNAL Patent: WO 9967428-A 420 29-DEC-1999;
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
LOCATION/Qualifiers
1..14
/organism="Aids-associated retrovirus"
/mol_type="genomic DNA"
/db_xref="taxon:11966"
3 a 4 c 4 g 3 t

BASE COUNT 3 a 4 c 4 g 3 t

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 440 CTGATGACTCAGAG 453
Db 1 CTGATGACTCAGCG 14

RESULT 619
AX019396/c
LOCUS AX019396 14 bp DNA linear PAT 07-SEP-2000
DEFINITION Sequence 12 from Patent WO9940187.
ACCESSION AX019396
VERSION AX019396.1 GI:10043366
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1
AUTHORS Abken, H.
TITLE Nucleic acids provided for modulating cellular activation
JOURNAL Patent: WO 9940187-A 12 12-AUG-1999;
ABKEN HINRICH (DE)
LOCATION/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="synthetische"
0 a 8 c 3 g 3 t

BASE COUNT 0 a 8 c 3 g 3 t

Query Match 0.8%; Score 12.4; DB 1; Length 14;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1164 GCGAGGAGGCGCG 1177
Db 14 GCGAGGAGGCGCG 1

RESULT 620
AX028355/c
LOCUS AX028355 14 bp DNA linear PAT 16-SEP-2000
DEFINITION Sequence 174 from Patent WO036143.
ACCESSION AX028355
VERSION AX028355.1 GI:10189568
KEYWORDS Sus scrofa (pig)
SOURCE Sus scrofa
ORGANISM Sus scrofa

REFERENCE 1
AUTHORS Georges, M., Spincemalle, G. and Andersson, L.
TITLE Selecting animals for parentally imprinted traits
JOURNAL Patent: WO 0036143-A 174 22-JUN-2000;
SEGHERSGENTEC N V (BE); GEORGES MICHEL (BE); UNIV LIEGE (BE);
SPINCEMALLE GEERT (BE); MELICA HB (SE); ANDERSSON LEIF (SE)
LOCATION/Qualifiers
1..14
/organism="Sus scrofa"
/mol_type="genomic DNA"
/db_xref="taxon:9823"
/note="Polymorphism in coding region"
0 a 11 c 3 g 0 t

BASE COUNT 0 a 11 c 3 g 0 t

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1551 CCGGGGAGGCGG 1564
Db 14 CCGGGGAGGCGG 1

RESULT 621
AX419965
LOCUS AX419965 14 bp DNA linear PAT 18-JUN-2002
DEFINITION Sequence 302 from Patent WO0198537.
ACCESSION AX419965
VERSION AX419965.1 GI:21524332
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.

REFERENCE 1
AUTHORS Lyamichev, V., Allawi, H., Dong, F., Neri, B.P. and Vener, I.T.
TITLE Nucleic acid accessible hybridization sites
JOURNAL Patent: WO 0198537-A 302 27-DEC-2001;
THIRD WAVE TECHNOLOGIES, INC. (US)
LOCATION/Qualifiers
1..14
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
5 a 2 c 7 g 0 t

BASE COUNT 5 a 2 c 7 g 0 t

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 10 CCAGCGAGGAGAG 23
Db 1 CAAGCGAGGAGAG 14

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RESULT 622
BD065423          14 bp  DNA  linear  PAT 27-AUG-2002
LOCUS
DEFINITION  An antisense oligonucleotide preparation method.
ACCESSION  BD065423
VERSION    BD065423.1 GI:22611026
KEYWORDS  JP 2001511000-A/58.
SOURCE    unidentified
ORGANISM  unclassified.
REFERENCE  1 (bases 1 to 14)
AUTHORS  Schlingensiepen,K.H. and Brysch,W.
TITLE     An antisense oligonucleotide preparation method
JOURNAL  Patent: JP 2001511000-A 58 07-AUG-2001;
          BIOGOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT   OS Unknown
          PN JP 2001511000-A/58
          PD 07-AUG-2001
          PF 30-JAN-1998 JP 1998532533
          PR 31-JAN-1997 EP 97101331.8
          PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
          PC C12N15/11,C07H21/04,A61K31/70
          CC An antisense oligonucleotide preparation method FH Key
          Location/Qualifiers
          FT source 1..14
          /organism='Unknown'
          /location/Qualifiers
          1..14
          /organism='unidentified'
          /mol_type='genomic DNA'
          /db_xref='taxon:32644'
          3 t
BASE COUNT  1 a 6 c 4 g 3 t
Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1400 GTCCACGCTGCTGC 1413
Db 1 GTCCACGCTGCTGC 14

RESULT 623
BD066715/C
LOCUS
DEFINITION  An antisense oligonucleotide preparation method.
ACCESSION  BD066715
VERSION    BD066715.1 GI:22612318
KEYWORDS  JP 2001511000-A/1350.
SOURCE    unidentified
ORGANISM  unclassified.
REFERENCE  1 (bases 1 to 14)
AUTHORS  Schlingensiepen,K.H. and Brysch,W.
TITLE     An antisense oligonucleotide preparation method
JOURNAL  Patent: JP 2001511000-A 1350 07-AUG-2001;
          BIOGOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT   OS Unknown
          PN JP 2001511000-A/1350
          PD 07-AUG-2001
          PF 30-JAN-1998 JP 1998532533
          PR 31-JAN-1997 EP 97101331.8
          PI KARL HERMANN SCHLINGENSIEPEN,WOLFGANG BRYSCH
          PC C12N15/11,C07H21/04,A61K31/70
          CC An antisense oligonucleotide preparation method FH Key
          Location/Qualifiers
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 153 TGCTGCTGCTGCGC 166
Db 14 TGCTGCTGCTGCTG 1

RESULT 624
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LOCUS
DEFINITION  Enzymatic nucleic acid treatment of diseases or conditions related
          to levels of epidermal growth factor receptors.
ACCESSION  BD068930
VERSION    BD068930.1 GI:22614533
KEYWORDS  JP 2001511003-A/1770.
SOURCE    unidentified
ORGANISM  unclassified.
REFERENCE  1 (bases 1 to 14)
AUTHORS  Akhtar,S., Pell,P. and Mcswiggen,J.A.
TITLE     Enzymatic nucleic acid treatment of diseases or conditions related
          to levels of epidermal growth factor receptors
JOURNAL  Patent: JP 2001511003-A 1770 07-AUG-2001;
          RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT   OS Unidentified
          PN JP 2001511003-A/1770
          PD 07-AUG-2001
          PR 14-JAN-1998 JP 1998532913
          PR 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
          SAGHR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
          C12N9/00,C07K14/71
          CC Strandedness: Single;
          CC Topology: Linear;
          CC Enzymatic nucleic acid treatment of diseases or conditions CC
          related to
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          FH Key
          Location/Qualifiers
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Qy 1304 GCGCTCCTGCTGCTGC 1317
Db 1 GCGCTGCTGCTGCTGC 14

RESULT 625
A87986
LOCUS
DEFINITION  Sequence 134 from Patent WO9833904.
ACCESSION  A87986
VERSION    A87986.1 GI:6736556
KEYWORDS
SOURCE    unidentified
ORGANISM  unidentified
REFERENCE  1 (bases 1 to 15)
AUTHORS  Brysch,W. and Schlingensiepen,K.
TITLE     AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL  Patent: WO 9833904-A 134 06-AUG-1998;

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BASE COUNT      2 a 4 c 8 g 1 t
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1424 GTGCGGGGGGCCAC 1437
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Db 1 GGTGACGGGGCCAC 14

RESULT 626
LOCUS      A89953      15 bp      DNA      linear      PAT 22-JAN-2000
DEFINITION Sequence 134 from Patent EP0856579.
ACCESSION A89953
VERSION A89953.1 GI:6738467
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Brysch, W.D. and Schlöngensiepen, K.D.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: EP 0856579-A 134 05-AUG-1998;
BIOGHOSTIK GES (DE)
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1424 GTGCGGGGGGCCAC 1437
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RESULT 627
LOCUS      A89953      15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 58 from patent US 5811300.
ACCESSION A89953
VERSION A89953.1 GI:5961764
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Sullivan, S., Draper, K., Kisich, K., Stinchcomb, D.T. and McSwiggen, J.
TITLE TNF- $\alpha$  ribozymes
JOURNAL Patent: US 5811300-A 58 22-SEP-1998;
BIOGHOSTIK GES (DE)
FEATURES
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BASE COUNT      3 a 7 c 1 g 4 t
Query Match      0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 235 GGGGTTGGGAAGA 248
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Db 1 GGGGTTGGGAAGA 248

RESULT 628
LOCUS      A89953      15 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 52 from patent US 5830644.
ACCESSION A89953
VERSION A89953.1 GI:5974347
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS West, M.D., Shay, J. and Wright, W.E.
TITLE Method for screening for agents which increase telomerase activity in a cell
JOURNAL Patent: US 5830644-A 52 03-NOV-1998;
BIOGHOSTIK GES (DE)
FEATURES
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Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 72 CACACGACACAC 85
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Db 15 CACACGACACAC 85

RESULT 629
LOCUS      A89953      15 bp      DNA      linear      PAT 16-MAY-2001
DEFINITION Sequence 48 from patent US 6194150.
ACCESSION A89953
VERSION A89953.1 GI:14120526
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb, D.T., Jarvis, T. and McSwiggen, J.
TITLE Nucleic acid based inhibition of CD40
JOURNAL Patent: US 6194150-A 48 27-FEB-2001;
BIOGHOSTIK GES (DE)
FEATURES
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Query Match      0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
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Qy 898 GAAGGTTCTTCTACG 911
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Db 2 GAGGTTCTTCTACG 15

RESULT 630
LOCUS      A89953      15 bp      DNA      linear      PAT 20-APR-2002
DEFINITION Sequence 627 from patent US 633152.
ACCESSION A89953
VERSION A89953.1 GI:20222592
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 15)
AUTHORS Vogelstein, B., Kinzler, K.W., Zhang, L. and Zhou, W.
TITLE Gene expression profiles in normal and cancer cells

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RESULT 633	AX003643	15 bp	DNA	linear	PAT 24-AUG-2000
LOCUS	AX003643	15 bp	DNA	linear	PAT 24-AUG-2000
DEFINITION	Sequence 1 from Patent WO9927092.				
ACCESSION	AX003643				
VERSION	AX003643.1	GI:9927432			
KEYWORDS					
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
AUTHORS	Liu, N. and Mueller, R.				
TITLE	Purified transcription factor cdf-1 and its use				
JOURNAL	Patent: WO 9927092-A 1 03-JUN-1999;				
FEATURES	LIU NINGSHU (DE); MUELLER ROLF (DE)				
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Best Local Similarity	92.9%; Pred. No. 6.5e+02;				
Matches	13; Conservative 0; Mismatches 1; Indels 0; Gaps 0				
QY	327 GCGGAAGGTATGAA 340				
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Db					
RESULT 634	AX028356/c	15 bp	DNA	linear	PAT 16-SEP-2000
LOCUS	AX028356/c	15 bp	DNA	linear	PAT 16-SEP-2000
DEFINITION	Sequence 175 from Patent WO0036143.				
ACCESSION	AX028356				
VERSION	AX028356.1	GI:10189569			
KEYWORDS					
SOURCE	Sus scrofa (pig)				
ORGANISM	Sus scrofa				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.				
AUTHORS	Georges, M., Spincemaille, G. and Andersson, L.				
TITLE	Selecting animals for parentally imprinted traits				
JOURNAL	Patent: WO 0036143-A 175 22-JUN-2000.				
FEATURES	SECHERSENTEC N V (BE); GEORGES MICHEL (BE); UNIV LIEGE (BE); SPINCEMAILLE GERT (BE); MELICA HB (SE); ANDERSSON LEIF (SE)				
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	0 a 11 c 4 g 0 t				
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Query Match	0.8%; Score 12.4; DB 1; Length 15;				
Best Local Similarity	92.9%; Pred. No. 6.5e+02;				
Matches	13; Conservative 0; Mismatches 1; Indels 0; Gaps 0				
QY	1551 CCGGGGGGGGGCG 1564				
	14 CCGGGGGGGGGCG 1				
Db					
RESULT 635	AX328726	15 bp	DNA	linear	PAT 08-JAN-2000
LOCUS	AX328726	15 bp	DNA	linear	PAT 08-JAN-2000
DEFINITION	Sequence 223 from Patent EP1164203.				
ACCESSION	AX328726				
KEYWORDS					
SOURCE	AX328726.1	GI:18101925			

SOURCE unidentified
ORGANISM unidentified
REFERENCE unclassified.
1
AUTHORS Koester,H., Little,D.P., Braun,A., Jurinke,C., van den Boom,D., Xiang,G., Lough,D.M., Ruppert,A. and Hillenkamp,F.
TITLE Dna diagnostics based on mass spectrometry
JOURNAL Patent: EP 1164203-A 223 19-DEC-2001;
SEQUENOM, INC. (US)
FEATURES Location/Qualifiers
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/organism="unidentified"
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Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1479 GCACCTGGCTCTCTG 1492
Db 2 GCACCTGACTCTG 15
RESULT 636
AX535794
LOCUS AX535794 15 bp DNA linear PAT 22-NOV-2002
DEFINITION Sequence 33 from Patent WO02068684.
ACCESSION AX535794
VERSION AX535794.1 GI:25262262
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Lundeberg,J., Ahmadian,A. and Nyren,P.
TITLE Allele-specific primer extension assay
JOURNAL Patent: WO 02068684-A 33 06-SEP-2002;
Pyrosequencing AB (SE) ; DZIEGLEWSKA, Hanna Eva (GB)
FEATURES Location/Qualifiers
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/db_xref="taxon:32630"
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 738 GAGGCTGCTCCCG 751
Db 2 GAGGCTGCTCCCG 15
RESULT 637
AX536188/c
LOCUS AX536188 15 bp mRNA linear PAT 21-FEB-2003
DEFINITION Sequence 3327 from Patent EP1260586.
ACCESSION AX536188
VERSION AX536188.1 GI:28471802
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.

TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 3327 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES Location/Qualifiers
source 1..15
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Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 644 GCGGTGGAGCGCG 657
Db 14 GAGGTGGAGCGCG 1
RESULT 638
AX636693/c
LOCUS AX636693 15 bp mRNA linear PAT 24-FEB-2003
DEFINITION Sequence 3832 from Patent EP1260586.
ACCESSION AX636693
VERSION AX636693.1 GI:28472307
KEYWORDS
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1
AUTHORS Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Drenzo,A., Karpeisky,A., Draper,K.G., Kisch,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
TITLE Method and reagent for inhibiting the expression of disease related genes
JOURNAL Patent: EP 1260586-A 3832 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
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Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 235 GGGTTTCGGGAAGA 248
Db 15 GGGTTTCGAGAAGA 2
RESULT 639
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LOCUS BD065499 15 bp DNA linear PAT 27-AUG-2002
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065499
VERSION BD065499.1 GI:22611102
KEYWORDS JP 2001511000-A/134.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 15)
AUTHORS Schlingensiepen,K.H. and Brysch,W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 134 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
COMMENT OS Unknown
PN JP 2001511000-A/134

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PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCCH
PC C12N15/11, C07H21/04, A61K31/70
CC An antisense oligonucleotide preparation method FH Key
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1424 GGTGGGGGGGCCAC 1437
Db 1 GGTGCAGGGGCCAC 14

RESULT 640
BD132291 15 bp DNA linear PAT 18-SEP-2002
LOCUS
DEFINITION DNA diagnosis method based on mass spectrometry.
ACCESSION BD132291
VERSION BD132291.1 GI:23227236
KEYWORDS JP 2002507883-A/223.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 15)
AUTHORS Koster, H., Little, D.P., Braun, A., Lough, D.M., Xiang, G.,
        Boom, D.V.D., Jurinke, C. and Rupert, A.
TITLE DNA diagnosis method based on mass spectrometry
JOURNAL Patent: JP 2002507883-A 223 12-MAR-2002;
        SEQUENOM INC
COMMENT PN JP 2002507883-A/223
PD 12-MAR-2002
PF 06-NOV-1997 JP 1998521832
PR 06-NOV-1996 US 08/744481, 06-NOV-1996 US 08/746036 PR
06-NOV-1996 US 08/746055, 06-NOV-1996 US 08/744590 PR
23-JAN-1997 US 08/786988, 23-JAN-1997 US 08/787639 PR
19-SEP-1997 US 08/933792, 08-OCT-1997 US 08/947801 PI HUBERT
KOSTER, DANIEL P LITTLE, ANDREAS BRAUN, DAVID M LOUGH, PI GUOBING
XIANG,
PI DIJK VAN DEN BOOM, CHRISTIAN JURINKE, ANDREAS RUPERT PC
C12Q1/68, C07H21/00, C07F9/24
CC Strandedness: Single;
CC Topology: Unknown;
FH Key Location/Qualifiers.
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1479 GCACCTGGCTCTG 1492
Db 2 GCACCTGACTCTG 15

RESULT 641
II12919 15 bp DNA linear PAT 07-OCT-1997
LOCUS
DEFINITION Sequence 4 from patent US 5429948.
ACCESSION II12919
VERSION II12919.1 GI:910896
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
   Location/Qualifiers
AUTHORS Crespi, C.L., Penman, B.W. and Davies, R.L.
TITLE Human cell line stably expressing 5CDNAS encoding
        procarcinogen-activating enzymes and related mutagenicity assays
JOURNAL Patent: US 5429948-A 4 04-JUL-1995;
        Location/Qualifiers
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BASE COUNT 2 a 4 c 5 g 4 t

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 165 CGAGATGCTGCTG 178
Db 2 CGAGATGCTGCTG 15

RESULT 642
II1784/c 15 bp DNA linear PAT 07-OCT-1997
LOCUS
DEFINITION Sequence 52 from patent US 5645986.
ACCESSION II1784
VERSION II1784.1 GI:2472985
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS West, W.D., Harley, C.B., Strahl, C.M., McEachern, M.J., Shay, J.,
        Wright, W.E., Blackburn, E.H. and Vaziri, H.
TITLE Therapy and diagnosis of conditions related to telomere length
        and/or telomerase activity
JOURNAL Patent: US 5645986-A 52 08-JUL-1997;
        Location/Qualifiers
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Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACAGGCACACACC 85
Db 15 CACAGGCACACACC 2

RESULT 643
II1712/c 15 bp DNA linear PAT 07-OCT-1997
LOCUS
DEFINITION Sequence 266 from patent US 5658780.
ACCESSION II1712
VERSION II1712.1 GI:2479660
KEYWORDS .
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 15)
AUTHORS Stinchcomb, D.T., Draper, K.G. and McSwiggen, J.
TITLE Rel a targeted ribozymes
JOURNAL Patent: US 5658780-A 266 19-AUG-1997;
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BASE COUNT      1 a      9 c      3 g      2 t
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Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      644 GCGGTGGAGCCGG 657
Db      14 GAGGTGGAGCCGG 1

RESULT 644
LOCUS      I84393              15 bp      DNA      linear      PAT 04-APR-1998
DEFINITION Sequence 51 from patent US 5695932.
ACCESSION  I84393
VERSION    I84393.1 GI:3021913
KEYWORDS
SOURCE
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 15)
AUTHORS   West,M.D., Shay,J., Wright,W., Blackburn,E.H. and McEachern,M.J.
TITLE     Telomerase activity assays for diagnosing pathogenic infections
JOURNAL   Patent: US 5695932-A 51 09-DEC-1997;
FEATURES   Location/Qualifiers
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BASE COUNT      0 a      0 c      8 g      7 t
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Best Local Similarity 92.9%; Pred. No. 6.5e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      72 CACACGACACACC 85
Db      15 CACACACACACC 2

RESULT 645
LOCUS      AR050052              16 bp      DNA      linear      PAT 29-SEP-1999
DEFINITION Sequence 1 from patent US 5824857.
ACCESSION  AR050052
VERSION    AR050052.1 GI:5972044
KEYWORDS
SOURCE
ORGANISM   Unknown.
REFERENCE  1 (bases 1 to 16)
AUTHORS   Beachy,R.N. and Bhattacharyya,M.
TITLE     Plant promoter
JOURNAL   Patent: US 5824857-A 1 20-OCT-1998;
FEATURES   Location/Qualifiers
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BASE COUNT      7 a      3 c      2 g      4 t
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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      897 AGAAGTCTTCTAC 910
Db      1 AGAAGATCTTCTAC 14

RESULT 646
LOCUS      AX007859              16 bp      DNA      linear      PAT 06-SEP-2000
DEFINITION Sequence 401 from Patent WO9967428.
ACCESSION  AX007859

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VERSION      AX007859.1 GI:9995556
KEYWORDS     Aids-associated retrovirus
SOURCE       Aids-associated retrovirus
ORGANISM     Viruses; Retrovirdae.
REFERENCE    1
AUTHORS      Stuyver,L.
TITLE        Method for detection of drug-selected mutations in the hiv protease
JOURNAL      gene
PATENT       WO 9967428-A 401 29-DEC-1999;
INNOGENETICS NV (BE); STUYVER LIEVEN (BE)
FEATURES     Location/Qualifiers
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BASE COUNT      4 a      3 c      4 g      5 t
Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      440 CTGATGACTCAGAG 453
Db      3 CTGTTGACTCAGAG 16

RESULT 647
AX042425/c
LOCUS      AX042425              16 bp      DNA      linear      PAT 23-NOV-2000
DEFINITION Sequence 5 from Patent WO0065038.
ACCESSION  AX042425
VERSION    AX042425.1 GI:11341033
KEYWORDS
SOURCE
ORGANISM   unidentified
REFERENCE  1
AUTHORS     Lockert,D.H. and Lynch,C.M.
TITLE       Methods, compositions, and cells for encapsidating recombinant vec
            tors in aav particles
JOURNAL     Patent: WO 0065038-A 5 02-NOV-2000;
            TARGETED GENETICS CORPORATION (US)
FEATURES     Location/Qualifiers
            source
            1..16
            /organism="unidentified"
            /mol_type="genomic DNA"
            /db_xref="taxon:32644"
            /note="Rep68/Rep78 binding site sequence"
BASE COUNT      0 a      7 c      4 g      3 t      2 others
Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      20 AGAGAGCGAGCGGCG 34
Db      15 AGCGAGCGAGCGGCG 1

RESULT 648
AX317220/c
LOCUS      AX317220              16 bp      DNA      linear      PAT 14-DEC-2001
DEFINITION Sequence 223 from Patent WO0190337.
ACCESSION  AX317220
VERSION    AX317220.1 GI:17900208
KEYWORDS
SOURCE
ORGANISM   synthetic construct
REFERENCE  1
AUTHORS     Allawi,H., Bartholomay,C.T., Chehak,L., Curtis,M.L., Eis,P.S.,
            Hall,J.G., Ip,H.S., Kaiser,M., Kwiatkowski,R.W., Lukowiak,A.A.,

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Lyamichev,V., Ma,W., Olson-Munoz,M.C., Olson,S.M., Schaefer,J.J.,
Skrypyzynski,Z., Takova,T.Y., Vedvik,K.L. and Lyamichev,N.E.
TITLE
JOURNAL
Patent: WO 0190337-A 223 29-NOV-2001;
THIRD WAVE TECHNOLOGIES, INC. (US)

FEATURES
source
1..16
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

misc_feature
1 /note="TH 5' end has a fluorescein label."

misc_feature
6 /note="The residue at th position is a cy3 abasic linker group."

BASE COUNT 0 a 7 c 3 g 4 t 2 others
Query Match 0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 13 GCGAGGCGAGAGCG 27
Db 16 GCGAGCGAGANAGCG 2

RESULT 649
AX328727
LOCUS
AX328727
DEFINITION
Sequence 224 from Patent EP1164203.
ACCESSION
AX328727
VERSION
AX328727.1 GI:18101926
KEYWORDS
unidentified
SOURCE
unidentified
ORGANISM
unclassified.

REFERENCE
1
AUTHORS
Koester,H., Little,D.P., Braun,A., Jurinke,C., van den Boom,D.,
Xiang,G., Lough,D.M., Ruppert,A. and Hillenkamp,F.
TITLE
Dna diagnostics based on mass spectrometry
JOURNAL
Patent: EP 1164203-A 224 19-DEC-2001;
SEQUENOW, INC. (US)

FEATURES
source
1..16
Location/Qualifiers
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

BASE COUNT 2 a 6 c 3 g 5 t
Query Match 0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1479 GCACCTGGCTCCTG 1492
Db 2 GCACCTGACTCCTG 15

RESULT 650
AX716641/c
LOCUS
AX716641
DEFINITION
Sequence 3325 from Patent EP1293569.
ACCESSION
AX716641
VERSION
AX716641.1 GI:29889956
KEYWORDS
synthetic construct
SOURCE
synthetic construct
ORGANISM
artificial sequences.

REFERENCE
1
AUTHORS
Isegai,T., Sugiyama,T., Otsuki,T., Wakamatsu,A., Sato,H., Ishii,S.,
Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
Masuho,Y.

Full-length cDNAs
Patent: EP 1293569-A 3325 19-MAR-2003;
Helix Research Institute (JP) ; Research Association for
Biotechnology (JP)

FEATURES
source
1..16
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="an artificially synthesized primer sequence"

BASE COUNT 2 a 5 c 4 g 5 t
Query Match 0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 712 AGAGAACTCGGTGG 725
Db 14 ACAGAACTCGGTGG 1

RESULT 651
AX741031
LOCUS
AX741031
DEFINITION
Sequence 5 from Patent WO03027328.
ACCESSION
AX741031
VERSION
AX741031.1 GI:30523892
KEYWORDS
synthetic construct
SOURCE
synthetic construct
ORGANISM
artificial sequences.

REFERENCE
1
AUTHORS
Kirtsen,N.V., Hyldig-Nielsen,J.J. and Williams,B.F.
TITLE
Methods, kits and compositions pertaining to the suppression of
detectable probe binding to randomly distributed repeat sequences
in genomic nucleic acid
JOURNAL
Patent: WO 03027328-A 5 03-APR-2003;
Boston Probes, Inc. (US) ; DakoCytomation Denmark A/S (DK)

FEATURES
source
1..16
Location/Qualifiers
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Description of Combined Probe Sequence"
Oligomer Sequence-Synthetic Probe Sequence"

BASE COUNT 2 a 3 c 11 g 0 t
Query Match 0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 999 GGGAGCGCGAGCG 1012
Db 1 GGGAGCGCGAGCG 14

RESULT 652
AX741043/c
LOCUS
AX741043
DEFINITION
Sequence 17 from Patent WO03027328.
ACCESSION
AX741043
VERSION
AX741043.1 GI:30523904
KEYWORDS
synthetic construct
SOURCE
synthetic construct
ORGANISM
artificial sequences.

REFERENCE
1
AUTHORS
Kirtsen,N.V., Hyldig-Nielsen,J.J. and Williams,B.F.
TITLE
Methods, kits and compositions pertaining to the suppression of
detectable probe binding to randomly distributed repeat sequences
in genomic nucleic acid
JOURNAL
Patent: WO 03027328-A 17 03-APR-2003;
Boston Probes, Inc. (US) ; DakoCytomation Denmark A/S (DK)

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FEATURES
  source
    Location/Qualifiers
      1..16
      /organism="synthetic construct"
      /mol_type="genomic DNA"
      /db_xref="taxon:32630"
      /notes="Description of Combined DNA/RNA Molecule:Synthetic
      Oligomer Sequence-Synthetic Probe Sequence"
BASE COUNT      0 a 11 c 3 g
Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 999 GGGAGCCCGAGGCG 1012
      |||||
      16 GGGAGCCCGAGGCG 3
Db

RESULT 653
LOCUS      BD132292          16 bp      DNA      linear      PAT 18-SEP-2002
DEFINITION DNA diagnosis method based on mass spectrometry.
ACCESSION  BD132292
VERSION     BD132292.1 GI:23227237
KEYWORDS   JP 2002507883-A/224.
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1 (bases 1 to 16)
AUTHORS   Koster,H., Little,D.P., Braun,A., Lough,D.M., Xiang,G.,
          Boom,D.V.D., Jurinke,C. and Rupert A.
TITLE     DNA diagnosis method based on mass spectrometry
JOURNAL   Patent: JP 2002507883-A 224 12-MAR-2002;
          SEQUENOM INC
COMMENT   PN JP 2002507883-A/224
          PD 12-MAR-2002
          PF 06-NOV-1997 JP 1998521832
          PR 06-NOV-1996 US 08/744481, 06-NOV-1996 US 08/746036 PR
          06-NOV-1996 US 08/746055, 06-NOV-1996 US 08/744590 PR
          23-JAN-1997 US 08/786988, 23-JAN-1997 US 08/787639 PR
          19-SEP-1997 US 08/933792, 08-OCT-1997 US 08/947801 PI HUBERT
          KOSTER, DANIEL P LITTLE, ANDREAS BRAUN, DAVID M LOUGH, PI
          XIANG,
          PI DIRK VAN DEN BOOM, CHRISTIAN JURINKE, ANDREAS RUPERT PC
          CI2Q1/68.C07H21/00.C07F9/24
          CC Strandedness: Single;
          CC Topology: Unknown;
          FH Key Location/Qualifiers.
FEATURES
  source
    Location/Qualifiers
      1..16
      /organism="synthetic construct"
      /mol_type="genomic DNA"
      /db_xref="taxon:32630"
BASE COUNT      2 a 6 c 3 g 5 t
Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1479 GCACCTGGCTCTTG 1492
      |||||
      2 GCACCTGACTCTG 15
Db

RESULT 654
LOCUS      I28863          16 bp      DNA      linear      PAT 06-FEB-1997
DEFINITION Sequence 8 from patent US 5574142.
ACCESSION  I28863
VERSION     I28863.1 GI:1819650
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unknown.

```

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Unclassified.
REFERENCE  1 (bases 1 to 16)
AUTHORS   Meyer,R.B. Jr., Gall,A.A. and Reed,M.W.
TITLE     Peptide linkers for improved oligonucleotide delivery
JOURNAL   Patent: US 5574142-A 8 12-NOV-1996;
          Location/Qualifiers
FEATURES
  source
    Location/Qualifiers
      1..16
      /organism="unknown"
BASE COUNT      3 a 7 c 1 g 5 t
Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 533 TGGGACGAGAGATGG 546
      |||||
      16 TGTGCGAGAGATGG 3
Db

RESULT 655
LOCUS      I35381          16 bp      DNA      linear      PAT 13-MAY-1997
DEFINITION Sequence 349 from patent US 5599706.
ACCESSION  I35381
VERSION     I35381.1 GI:2088349
KEYWORDS   Unknown.
SOURCE     Unknown.
ORGANISM   Unclassified.
REFERENCE  1 (bases 1 to 16)
AUTHORS   Stinchcomb,D.T., McSwiggen,J., Newton,R.S. and Ramharack,R.
TITLE     Ribozymes targeted to apo(a) mRNA
JOURNAL   Patent: US 5599706-A 349 04-FEB-1997;
          Location/Qualifiers
FEATURES
  source
    Location/Qualifiers
      1..16
      /organism="unknown"
BASE COUNT      2 a 6 c 7 g 1 t
Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1485 GCCTCTCGACAGC 1498
      |||||
      16 GCCTCTGGGCAGC 3
Db

RESULT 656
LOCUS      A25087          17 bp      DNA      linear      PAT 27-FEB-1995
DEFINITION Synthetic Streptomyces nodosus sequencing primer P321.
ACCESSION  A25087
VERSION     A25087.1 GI:833539
KEYWORDS   synthetic construct
SOURCE     synthetic construct
ORGANISM   artificial sequences.
REFERENCE  1 (bases 1 to 17)
AUTHORS   SECONDARY-METABOLITE BIOSYNTHESIS GENES FROM ACTINOMYCETES, METHOD
          OF ISOLATING THEM, AND THEIR USE
TITLE     Patent: WO 9306219-A 8 01-APR-1993;
          Location/Qualifiers
FEATURES
  source
    Location/Qualifiers
      1..17
      /organism="synthetic construct"
      /mol_type="genomic DNA"
      /db_xref="taxon:32630"
BASE COUNT      6 a 4 c 7 g 0 t
Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1277 GCCTTCGGCGCCTT 1290
 Db 17 GCCTTCGGCGCCTT 4

RESULT 657
 LOCUS A25088 17 bp DNA linear PAT 27-FEB-1995
 DEFINITION Synthetic Streptomyces nodosus sequencing primer Prev337.
 ACCESSION A25088
 VERSION A25088.1 GI:833540
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM synthetic construct
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Hampel, A.E., Tritz, R.H. and Hicks, M.F.
 TITLE HIV targeted hairpin ribozymes
 JOURNAL Patent: US 5869339-A 27 05-JAN-1999;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="unknown"
 /mol_type="genomic DNA"
 /db_xref="taxon:32630"

BASE COUNT 0 a 4 g 6 t
 Query Match 0.8%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 6.6e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1277 GCCTTCGGCGCCTT 1290
 Db 1 GCCTTCGGCGCCTT 14

RESULT 658
 LOCUS A76795 17 bp DNA linear PAT 19-OCT-1999
 DEFINITION Sequence 11 from Patent WO9315208.
 ACCESSION A76795
 VERSION A76795.1 GI:6088649
 KEYWORDS unidentified
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Wilks, H.M. and Holbrook, J.J.
 TITLE CHIRAL SYNTHESIS WITH MODIFIED ENZYMES
 JOURNAL Patent: WO 9315208-A 11 05-AUG-1993;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="unidentified"
 /mol_type="genomic DNA"
 /db_xref="taxon:32644"

BASE COUNT 3 a 5 g 2 t
 Query Match 0.8%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 6.6e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1173 CCGCGGGCGGCTAC 1186
 Db 3 CCGCGGGCGGCTAC 16

RESULT 659
 LOCUS AR027367/c 17 bp DNA linear PAT 29-SEP-1999
 DEFINITION Sequence 27 from patent US 5869339.
 ACCESSION AR027367
 VERSION AR027367.1 GI:5938187
 KEYWORDS
 SOURCE
 ORGANISM
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Hampel, A.E., Tritz, R.H. and Hicks, M.F.
 TITLE HIV targeted hairpin ribozymes
 JOURNAL Patent: US 5869339-A 27 05-JAN-1999;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="unknown"

KEYWORDS Unknown.
 SOURCE Unknown.
 ORGANISM Unknown.
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Hampel, A.E., Tritz, R.H. and Hicks, M.F.
 TITLE HIV targeted hairpin ribozymes
 JOURNAL Patent: US 5869339-A 27 05-JAN-1999;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="unknown"

BASE COUNT 1 a 9 c 5 g 2 t
 Query Match 0.8%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 6.6e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1345 CGGGGACAGGGCG 1358
 Db 15 CGGGGACAGGGCG 2

RESULT 660
 LOCUS AR028821/c 17 bp DNA linear PAT 29-SEP-1999
 DEFINITION Sequence 27 from patent US 5869339.
 ACCESSION AR028821
 VERSION AR028821.1 GI:5940794
 KEYWORDS
 SOURCE
 ORGANISM
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Hampel, A.E. and Tritz, R.H.
 TITLE HIV targeted ribozymes
 JOURNAL Patent: US 5869339-A 27 12-JAN-1999;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="unknown"

BASE COUNT 1 a 9 c 5 g 2 t
 Query Match 0.8%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 6.6e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1345 CGGGGACAGGGCG 1358
 Db 15 CGGGGACAGGGCG 2

RESULT 661
 LOCUS AR034358/c 17 bp DNA linear PAT 29-SEP-1999
 DEFINITION Sequence 27 from patent US 5869339.
 ACCESSION AR034358
 VERSION AR034358.1 GI:5949963
 KEYWORDS
 SOURCE
 ORGANISM
 REFERENCE 1 (bases 1 to 17)
 AUTHORS Hampel, A.E., Tritz, R.H. and Hicks, M.F.
 TITLE HIV targeted hairpin ribozymes
 JOURNAL Patent: US 5869339-A 27 09-FEB-1999;
 FEATURES Location/Qualifiers
 source 1..17
 /organism="unknown"

BASE COUNT 1 a 9 c 5 g 2 t
 Query Match 0.8%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 6.6e+02;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1345 CGGGACAGCGCG 1358
Db 15 CGGGACAGCGCG 2

RESULT 662
AR074719
LOCUS AR074719 17 bp DNA linear PAT 28-AUG-2000
DEFINITION Sequence 16 from patent US 5955276.
ACCESSION AR074719
VERSION AR074719.1 GI:10001472
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Morgante,M. and Vogel,J.Marie.
TITLE Compound microsatellite primers for the detection of genetic polymorphisms
JOURNAL Patent: US 5955276-A 16 21-SEP-1999;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 7 a 8 c 2 g 0 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 71 GCACAGCACACAC 84
Db 3 GCACACACACAC 16

RESULT 663
AR091418/c
LOCUS AR091418 17 bp DNA linear PAT 07-SEP-2000
DEFINITION Sequence 8 from patent US 5994109.
ACCESSION AR091418
VERSION AR091418.1 GI:10018173
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Woo,S.L.C., Smith,L.C., Cristiano,R.J., Gottchalk,S. and Sparrow,J.
TITLE Nucleic acid transporter system and methods of use
JOURNAL Patent: US 5994109-A 8 30-NOV-1999;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 0 a 8 c 0 g 9 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 16 AGGGAGAGAGCGAG 29
Db 17 AGGGAGAGAGAG 4

RESULT 664
AR125623/c
LOCUS AR125623 17 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 8 from patent US 6177554.
ACCESSION AR125623
VERSION AR125623.1 GI:14111685
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)

QY 1345 CGGGACAGCGCG 1358
Db 15 CGGGACAGCGCG 2

RESULT 665
AR189922/c
LOCUS AR189922 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 5410 from patent US 6346398.
ACCESSION AR189922
VERSION AR189922.1 GI:20235887
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 5410 12-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 6 a 4 c 4 g 3 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 483 TCTCGGTGATGAAC 496
Db 16 TCTCGGTGATGTAC 3

RESULT 666
AR286227
LOCUS AR286227 17 bp RNA linear PAT 10-APR-2003
DEFINITION Sequence 599 from patent US 6528640.
ACCESSION AR286227
VERSION AR286227.1 GI:29723823
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A., Beaudry,A., Karpelsky,A., Matulic-Adamic,J., Svedler,D. and Zinnen,S.
TITLE Synthetic ribonucleic acids with RNase activity
JOURNAL Patent: US 6528640-A 599 04-MAR-2003;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 3 a 6 c 6 g 2 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGAGGCGAGCCAGC 14
Db 4 GCGAGGCGAGCCAGC 17

QY 1345 CGGGACAGCGCG 1358
Db 15 CGGGACAGCGCG 2

RESULT 667
AR074719
LOCUS AR074719 17 bp DNA linear PAT 28-AUG-2000
DEFINITION Sequence 16 from patent US 5955276.
ACCESSION AR074719
VERSION AR074719.1 GI:10001472
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Morgante,M. and Vogel,J.Marie.
TITLE Compound microsatellite primers for the detection of genetic polymorphisms
JOURNAL Patent: US 5955276-A 16 21-SEP-1999;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 7 a 8 c 2 g 0 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 71 GCACAGCACACAC 84
Db 3 GCACACACACAC 16

RESULT 668
AR091418/c
LOCUS AR091418 17 bp DNA linear PAT 07-SEP-2000
DEFINITION Sequence 8 from patent US 5994109.
ACCESSION AR091418
VERSION AR091418.1 GI:10018173
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Woo,S.L.C., Smith,L.C., Cristiano,R.J., Gottchalk,S. and Sparrow,J.
TITLE Nucleic acid transporter system and methods of use
JOURNAL Patent: US 5994109-A 8 30-NOV-1999;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 0 a 8 c 0 g 9 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 16 AGGGAGAGAGCGAG 29
Db 17 AGGGAGAGAGAG 4

RESULT 669
AR125623/c
LOCUS AR125623 17 bp DNA linear PAT 16-MAY-2001
DEFINITION Sequence 8 from patent US 6177554.
ACCESSION AR125623
VERSION AR125623.1 GI:14111685
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)

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RESULT 667
AR286325/c
LOCUS       17 bp      RNA      linear      PAT 10-APR-2003
DEFINITION   Sequence 697 from patent US 6528640.
ACCESSION   AR286325
VERSION     AR286325.1  GI:29723921
KEYWORDS    'Unknown.'
SOURCE      'Unknown.'
ORGANISM    'Unknown.'
REFERENCE   1 (bases 1 to 17)
AUTHORS    Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE      Synthetic ribonucleic acids with RNase activity
JOURNAL    Patent: US 6528640-A 697 04-MAR-2003;
            Location/Qualifiers
FEATURES   source
            1..17
BASE COUNT   3 a      3 c      9 g      2 t
            Query Match      0.8%; Score 12.4; DB 1; Length 17;
            Best Local Similarity 92.9%; Pred. No. 6.6e+02;
            Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1301 CACGCGCTCTGGC 1314
Db 15 CACGCACTCTGGC 2

RESULT 668
AR286386
LOCUS       17 bp      RNA      linear      PAT 10-APR-2003
DEFINITION   Sequence 758 from patent US 6528640.
ACCESSION   AR286386
VERSION     AR286386.1  GI:29723982
KEYWORDS    'Unknown.'
SOURCE      'Unknown.'
ORGANISM    'Unknown.'
REFERENCE   1 (bases 1 to 17)
AUTHORS    Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE      Synthetic ribonucleic acids with RNase activity
JOURNAL    Patent: US 6528640-A 758 04-MAR-2003;
            Location/Qualifiers
FEATURES   source
            1..17
BASE COUNT   3 a      6 c      5 g      3 t
            Query Match      0.8%; Score 12.4; DB 1; Length 17;
            Best Local Similarity 92.9%; Pred. No. 6.6e+02;
            Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 759 CCACGGTGACCTG 772
Db 4 CCACGGTGACGCTG 17

RESULT 669
AR286446
LOCUS       17 bp      RNA      linear      PAT 10-APR-2003
DEFINITION   Sequence 818 from patent US 6528640.
ACCESSION   AR286446
VERSION     AR286446.1  GI:29724042
KEYWORDS    'Unknown.'
SOURCE      'Unknown.'
ORGANISM    'Unknown.'
REFERENCE   1 (bases 1 to 17)
AUTHORS    Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
            Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE      Synthetic ribonucleic acids with RNase activity
JOURNAL    Patent: US 6528640-A 818 04-MAR-2003;
            Location/Qualifiers
FEATURES   source
            1..17
BASE COUNT   3 a      6 c      5 g      3 t
            Query Match      0.8%; Score 12.4; DB 1; Length 17;
            Best Local Similarity 92.9%; Pred. No. 6.6e+02;
            Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 759 CCACGGTGACCTG 772
Db 4 CCACGGTGACGCTG 17

TITLE      Synthetic ribonucleic acids with RNase activity
JOURNAL    Patent: US 6528640-A 818 04-MAR-2003;
            Location/Qualifiers
FEATURES   source
            1..17
BASE COUNT   5 a      5 c      7 g      0 t
            Query Match      0.8%; Score 12.4; DB 1; Length 17;
            Best Local Similarity 92.9%; Pred. No. 6.6e+02;
            Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 245 AAGAGGAGGACCC 258
Db 1 AAGAGGAGGACCC 14

RESULT 670
AX139192/c
LOCUS       17 bp      DNA      linear      PAT 30-MAY-2001
DEFINITION   Sequence 40 from Patent EP1076099.
ACCESSION   AX139192
VERSION     AX139192.1  GI:14274865
KEYWORDS    'Mycobacterium tuberculosis'
SOURCE      'Mycobacterium tuberculosis'
ORGANISM    'Mycobacterium tuberculosis'
REFERENCE   1
AUTHORS    Suzuki,Y., Nishida,M. and Takenishi,S.
TITLE      Kit for diagnosis of tubercle bacilli
JOURNAL    Patent: EP 1076099-A 40 14-FEB-2001;
            NISSHINBO INDUSTRIES, INC. (JP) ; System Research Incorporation
            (JP)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Mycobacterium tuberculosis"
            /mol_type="genomic DNA"
            /db_xref="taxon:1773"
            /note="capture"
BASE COUNT   4 a      2 c      8 g      3 t
            Query Match      0.8%; Score 12.4; DB 1; Length 17;
            Best Local Similarity 92.9%; Pred. No. 6.6e+02;
            Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 394 CCCCAGCATCATAT 407
Db 17 CCCCAGCATCCTAT 4

RESULT 671
AX139212/c
LOCUS       17 bp      DNA      linear      PAT 30-MAY-2001
DEFINITION   Sequence 60 from Patent EP1076099.
ACCESSION   AX139212
VERSION     AX139212.1  GI:14274885
KEYWORDS    'Mycobacterium tuberculosis'
SOURCE      'Mycobacterium tuberculosis'
ORGANISM    'Mycobacterium tuberculosis'
REFERENCE   1
AUTHORS    Suzuki,Y., Nishida,M. and Takenishi,S.
TITLE      Kit for diagnosis of tubercle bacilli
JOURNAL    Patent: EP 1076099-A 60 14-FEB-2001;
            NISSHINBO INDUSTRIES, INC. (JP) ; System Research Incorporation
            (JP)
FEATURES   Location/Qualifiers
            source
            1..17
            /organism="Mycobacterium tuberculosis"
            /mol_type="genomic DNA"
            /note="capture"

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Query Match 0.8%; Score 12.4; DB 1; Length 17;

Qy 788 AAGCTGGTGAAGGA 801

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Db      16  AACTGGTGAAGGA 3

RESULT 676
LOCUS   AX216348
DEFINITION Sequence 1790 from Patent WO0159103.
ACCESSION AX216348
VERSION  AX216348.1  GI:15526409
KEYWORDS
SOURCE  synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE    Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL  nogo gene expression
PATENT:  WO 0159103-A 1790 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1. .17
Location/Qualifiers
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT  2 a 6 c 8 g 1 t
Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1373  GCGCGGGGCGGCGAG 1386
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Db      2  GCGCGGGGCGGCGAG 15

RESULT 677
LOCUS   AX216954
DEFINITION Sequence 2396 from Patent WO0159103.
ACCESSION AX216954
VERSION  AX216954.1  GI:15527015
KEYWORDS
SOURCE  synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE    Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL  nogo gene expression
PATENT:  WO 0159103-A 2396 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1. .17
Location/Qualifiers
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT  1 a 9 c 6 g 1 t
Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 807  GCGCGGGGCGGCGCC 820
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Db      2  GCGCGGGGCGGCGCC 15

RESULT 678
LOCUS   AX216955
DEFINITION Sequence 2397 from Patent WO0159103.
ACCESSION AX216955
VERSION  AX216955.1  GI:15527016
KEYWORDS
SOURCE  synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE    Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL  nogo gene expression
PATENT:  WO 0159103-A 2397 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
FEATURES
source
1. .17
Location/Qualifiers
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
BASE COUNT  1 a 9 c 6 g 1 t
Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 807  GCGCGGGGCGGCGCC 820
|||||
Db      1  GCGCGGGGCGGCGCC 14

RESULT 679
LOCUS   AX227482/c
DEFINITION Sequence 854 from Patent WO0157206.
ACCESSION AX227482
VERSION  AX227482.1  GI:15556623
KEYWORDS
SOURCE  synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Fattaey, A.R., Jarvis, T., McSwiggen, J., Bocher, R.N. and Holman, P.S.
TITLE    Method and reagent for the inhibition of checkpoint kinase-1 (chk
JOURNAL  1) enzyme
PATENT:  WO 0157206-A 854 09-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)
FEATURES
source
1. .17
Location/Qualifiers
/organism="synthetic construct"
/mol_type="mRNA"
/db_xref="taxon:32630"
BASE COUNT  3 a 5 c 4 g 5 t
Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 261  AAAAGCTGACCCCT 274
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Db      14 AAAAGCTGATCCCT 1

RESULT 680
LOCUS   AX227592/c
DEFINITION Sequence 964 from Patent WO0157206.
ACCESSION AX227592
VERSION  AX227592.1  GI:15556733
KEYWORDS
SOURCE  synthetic construct
ORGANISM synthetic construct

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artificial sequences.

REFERENCE 1
 AUTHORS Fattaey,A.R., Jarvis,T., Mcswiggen,J., Bocher,R.N. and Holman,P.S.
 TITLE Method and reagent for the inhibition of checkpoint kinase-1 (chk

JOURNAL 1) enzyme
 Patent: WO 0157206-A 964 09-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US) ; Fattaey, Ali R. (US)

FEATURES Location/Qualifiers
 1..17

source /organism="synthetic construct"
 /mol_type="mRNA"
 /db_xref="taxon:32630"

BASE COUNT 5 a 3 c 4 g 5 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 6.6e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 262 AAAGCTGACCCCTT 275

Db 17 AAAGCTGATCCCTT 4

RESULT 681

AX328728

LOCUS AX328728 17 bp DNA linear PAT 08-JAN-2002

DEFINITION Sequence 225 from Patent EP1164203.

ACCESSION AX328728

VERSION AX328728.1 GI:18101927

KEYWORDS unidentifed

SOURCE unidentifed

ORGANISM unclassified.

REFERENCE 1

AUTHORS Koester,H., Little,D.P., Braun,A., Jurinke,C., van den Boom,D.,

Xiang,G., Lough,D.M., Ruppert,A. and Hillenkamp,P.

TITLE Dna diagnostics based on mass spectrometry

JOURNAL Patent: EP 1164203-A 225 19-DEC-2001;

SEQUENOM, INC. (US)

FEATURES Location/Qualifiers

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/organism="unidentified"

/mol_type="genomic DNA"

/db_xref="taxon:32644"

BASE COUNT 2 a 6 c 4 g 5 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 6.6e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1479 GCACCTGCTCCTG 1492

Db 2 GCACCTGACTCTG 15

RESULT 682

AX498854

LOCUS AX498854 17 bp DNA linear PAT 27-SEP-2002

DEFINITION Sequence 161 from Patent EP1229046.

ACCESSION AX498854

VERSION AX498854.1 GI:23381147

KEYWORDS unidentifed

SOURCE unidentifed

ORGANISM Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Zhan,J.

TITLE Human testis expressed patched like protein

JOURNAL Patent: EP 1229046-A 161 07-AUG-2002;

Aeomica, Inc. (US)

FEATURES Location/Qualifiers

1..17

/organism="Homo sapiens"

/mol_type="genomic DNA"

/db_xref="taxon:9606"

BASE COUNT 2 a 8 c 5 g 2 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 6.6e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 986 GACTCGGCCACCGG 999

Db 4 GACTCTGCCACCGG 17

RESULT 683

AX498858

LOCUS AX498858 17 bp DNA linear PAT 27-SEP-2002

DEFINITION Sequence 165 from Patent EP1229046.

ACCESSION AX498858

VERSION AX498858.1 GI:23381151

KEYWORDS unidentifed

SOURCE unidentifed

ORGANISM Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Zhan,J.

TITLE Human testis expressed patched like protein

JOURNAL Patent: EP 1229046-A 165 07-AUG-2002;

Aeomica, Inc. (US)

FEATURES Location/Qualifiers

1..17

/organism="Homo sapiens"

/mol_type="genomic DNA"

/db_xref="taxon:9606"

BASE COUNT 2 a 8 c 5 g 2 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 6.6e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 987 ACTCGGCCACCGGG 1000

Db 1 ACTCTGCCACCGGG 14

RESULT 684

AX532312/c

LOCUS AX532312 17 bp DNA linear PAT 22-NOV-2002

DEFINITION Sequence 1821 from Patent EP1239051.

ACCESSION AX532312

VERSION AX532312.1 GI:25256407

KEYWORDS unidentifed

SOURCE unidentifed

ORGANISM Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Shaoun,M.

TITLE Human posh-like protein 1

JOURNAL Patent: EP 1239051-A 1821 11-SEP-2002;

Aeomica, Inc. (US)

FEATURES Location/Qualifiers

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/organism="Homo sapiens"

/mol_type="genomic DNA"

/db_xref="taxon:9606"

BASE COUNT 3 a 9 c 3 g 2 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 6.6e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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ACCESSION	AX532315				
VERSION	AX532315.1	GI:25256413			
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE	Shannon,M.				
AUTHORS	Human posh-like protein 1				
TITLE	Patent: EP 1239051-A 1824 11-SEP-2002;				
JOURNAL	Aeomica, Inc. (US)				
FEATURES	Location/Qualifiers				
source	1..17				
	/organism="Homo sapiens"				
	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
BASE COUNT	4 a 7 c 4 g 2 t				
Query Match	0.8%; Score 12.4; DB 1; Length 17;				
Best Local Similarity	92.9%; Pred. No. 6.e+02;				
Matches	13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
Qy	557 GAGGAGTCTCTGCA 570				
Db	14 GAGGGGTCTCTGCA 1				
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RESULT 688					
LOCUS	AX532475	17 bp	DNA	linear	PAT 22-NOV-2002
DEFINITION	Sequence 1984 from Patent EP1239051.				
ACCESSION	AX532475				
VERSION	AX532475.1	GI:25256722			
KEYWORDS	Shannon,M.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE	1				
AUTHORS	Human posh-like protein 1				
TITLE	Patent: EP 1239051-A 1984 11-SEP-2002;				
JOURNAL	Aeomica, Inc. (US)				
FEATURES	Location/Qualifiers				
source	1..17				
	/organism="Homo sapiens"				
	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
BASE COUNT	2 a - 7 c 1 t				
Query Match	0.8%; Score 12.4; DB 1; Length 17;				
Best Local Similarity	92.9%; Pred. No. 6.6e+02;				
Matches	13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
Qy	994 CACCGGGGAGCCGC 1007				
Db	4 CACCGGGGAGCCGC 17				
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RESULT 689					
LOCUS	AX532476	17 bp	DNA	linear	PAT 22-NOV-2002
DEFINITION	Sequence 1985 from Patent EP1239051.				
ACCESSION	AX532476				
VERSION	AX532476.1	GI:25256724			
KEYWORDS	Shannon,M.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE	1				
AUTHORS	Human posh-like protein 1				
TITLE	Patent: EP 1239051-A 1824 11-SEP-2002;				
JOURNAL	Aeomica, Inc. (US)				
FEATURES	Location/Qualifiers				
source	1..17				
	/organism="Homo sapiens"				
	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
BASE COUNT	2 a - 7 c 1 t				
Query Match	0.8%; Score 12.4; DB 1; Length 17;				
Best Local Similarity	92.9%; Pred. No. 6.6e+02;				
Matches	13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;				
Qy	994 CACCGGGGAGCCGC 1007				
Db	4 CACCGGGGAGCCGC 17				
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TITLE      Human posh-like protein 1
JOURNAL    Patent: EP 1239051-A 1985 11-SEP-2002;
           Aeomica, Inc. (US)
FEATURES   source
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           /organism="Homo sapiens"
           /mol_type="genomic DNA"
           /db_xref="taxon:9606"
BASE COUNT      2 a      7 c      7 g      1 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      994 CACCGGGAGCCCG 1007
Db      1 CACGGGGAGCCCG 14

RESULT 690
LOCUS      AX532477              17 bp      DNA      linear      PAT 27-MAR-2003
DEFINITION Sequence 1986 from Patent EPI239051.
ACCESSION  AX532477
VERSION     AX532477.1 GI:25256726
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Shannon,M.,
            Human posh-like protein 1
            Patent: EP 1239051-A 1985 11-SEP-2002;
            Aeomica, Inc. (US)
JOURNAL
FEATURES    source
           1..17
           /organism="Homo sapiens"
           /mol_type="genomic DNA"
           /db_xref="taxon:9606"
BASE COUNT      2 a      7 c      7 g      1 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      994 CACCGGGAGCCCG 1007
Db      2 CACGGGGAGCCCG 15

RESULT 691
LOCUS      AX532478              17 bp      DNA      linear      PAT 22-NOV-2002
DEFINITION Sequence 1987 from Patent EPI239051.
ACCESSION  AX532478
VERSION     AX532478.1 GI:25256728
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Shannon,M.,
            Human posh-like protein 1
            Patent: EP 1239051-A 1987 11-SEP-2002;
            Aeomica, Inc. (US)
JOURNAL
FEATURES    source
           1..17
           /organism="Homo sapiens"
           /mol_type="genomic DNA"
           /db_xref="taxon:9606"
BASE COUNT      2 a      8 c      7 g      0 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      994 CACCGGGAGCCCG 1007
Db      2 CACGGGGAGCCCG 15

RESULT 692
LOCUS      AX532477              17 bp      DNA      linear      PAT 27-MAR-2003
DEFINITION Sequence 1986 from Patent EPI239051.
ACCESSION  AX532477
VERSION     AX532477.1 GI:25256726
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Shannon,M.,
            Human posh-like protein 1
            Patent: EP 1239051-A 1985 11-SEP-2002;
            Aeomica, Inc. (US)
JOURNAL
FEATURES    source
           1..17
           /organism="Homo sapiens"
           /mol_type="genomic DNA"
           /db_xref="taxon:9606"
BASE COUNT      2 a      7 c      7 g      1 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      994 CACCGGGAGCCCG 1007
Db      1 CACGGGGAGCCCG 14

RESULT 693
LOCUS      AX532478              17 bp      DNA      linear      PAT 31-MAR-2003
DEFINITION Sequence 403 from Patent EPI281758.
ACCESSION  AX532478
VERSION     AX532478.1 GI:29410367
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
AUTHORS     Shannon,M.,
            Gu, Y. and Nguyen,C.T.
            Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
            mdz12
            Patent: EP 1281758-A 403 05-FEB-2003;
            Aeomica, Inc. (US)
JOURNAL
FEATURES    source
           1..17
           /organism="Homo sapiens"
           /mol_type="genomic DNA"
           /db_xref="taxon:9606"
BASE COUNT      2 a      9 c      1 g      5 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      864 TCCTCATTTCCTG 877
Db      17 ACTTTCGTGGACCG 4

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Sequence 739 from Patent EP1281758.		
DEFINITION	AX688007	
ACCESSION	AX688007	
VERSION	AX688007.1	GI:29410705
KEYWORDS		
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	
1		
REFERENCE	Shannon,M., Gu,Y. and Nguyen,C.T.	
AUTHORS	Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and	
TITLE	mdz12	
JOURNAL	Patent: EP 1281758-A 739 05-FEB-2003;	
	Aeomica, Inc.(US)	
FEATURES	Location/Qualifiers	
source	1..17	
	/organism="Homo sapiens"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:9606"	
BASE COUNT	1 a 6 c 7 g 3 t	
	Query Match 0.8%; Score 12.4; DB 1; Length 17;	
	Best Local Similarity 92.9%; Pred. No. 6.ee+02;	
	Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
Qy	1223 CGGGTCTGGCCTC 1236	
Db	4 CGGGTCTGGCCTC 17	
RESULT 697		
LOCUS	AX688008	17 bp DNA linear PAT 31-MAR-2003
DEFINITION	Sequence 740 from Patent EP1281758.	
ACCESSION	AX688008	
VERSION	AX688008.1	GI:29410706
KEYWORDS		
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	
1		
REFERENCE	Shannon,M., Gu,Y. and Nguyen,C.T.	
AUTHORS	Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and	
TITLE	mdz12	
JOURNAL	Patent: EP 1281758-A 740 05-FEB-2003;	
	Aeomica, Inc.(US)	
FEATURES	Location/Qualifiers	
source	1..17	
	/organism="Homo sapiens"	
	/mol_type="genomic DNA"	
	/db_xref="taxon:9606"	
BASE COUNT	0 a 7 c 7 g 3 t	
	Query Match 0.8%; Score 12.4; DB 1; Length 17;	
	Best Local Similarity 92.9%; Pred. No. 6.ee+02;	
	Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
Qy	1223 CGGGTCTGGCCTC 1236	
Db	3 CGGGTCTGGCCTC 16	
RESULT 698		
LOCUS	AX688009	17 bp DNA linear PAT 31-MAR-2003
DEFINITION	Sequence 741 from Patent EP1281758.	
ACCESSION	AX688009	
VERSION	AX688009.1	GI:29410707
KEYWORDS		
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	

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REFERENCE
AUTHORS      Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE        Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
              mdz12
JOURNAL      Patent: EP 1281758-A 741 05-FEB-2003;
              Aeomica, Inc. (US)
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QY 1223 CGGGTCTGGCCTC 1236
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Db 2 CGGGTCTGGCCTC 15

RESULT 699
AX688010
LOCUS        AX688010 17 bp DNA linear PAT 31-MAR-2003
DEFINITION   Sequence 742 from Patent EP1281758.
ACCESSION    AX688010
VERSION      AX688010.1 GI:29410708
KEYWORDS     Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE        Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
              mdz12
JOURNAL      Patent: EP 1281758-A 742 05-FEB-2003;
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QY 1223 CGGGTCTGGCCTC 1236
      |||||
Db 1 CGGGTCTGGCCTC 14

RESULT 700
AX688727/c
LOCUS        AX688727 17 bp DNA linear PAT 31-MAR-2003
DEFINITION   Sequence 1459 from Patent EP1281758.
ACCESSION    AX688727
VERSION      AX688727.1 GI:29411431
KEYWORDS     Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE        Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
              mdz12
JOURNAL      Patent: EP 1281758-A 1459 05-FEB-2003;
              Aeomica, Inc. (US)

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QY 1401 CTCGAGTGCTGCC 1414
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Db 17 CTCGAGTGCTGCC 4

RESULT 701
AX688728/c
LOCUS        AX688728 17 bp DNA linear PAT 31-MAR-2003
DEFINITION   Sequence 1460 from Patent EP1281758.
ACCESSION    AX688728
VERSION      AX688728.1 GI:29411432
KEYWORDS     Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE        Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
              mdz12
JOURNAL      Patent: EP 1281758-A 1460 05-FEB-2003;
              Aeomica, Inc. (US)
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QY 1401 CTCGAGTGCTGCC 1414
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Db 16 CTCGAGTGCTGCC 3

RESULT 702
AX688729/c
LOCUS        AX688729 17 bp DNA linear PAT 31-MAR-2003
DEFINITION   Sequence 1461 from Patent EP1281758.
ACCESSION    AX688729
VERSION      AX688729.1 GI:29411433
KEYWORDS     Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE        Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
              mdz12
JOURNAL      Patent: EP 1281758-A 1461 05-FEB-2003;
              Aeomica, Inc. (US)
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Query Match          0.8%; Score 12.4; DB 1; Length 17;
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QY 1401 CTCACGGTGTGCC 1414
DB 15 CTCACGGTGTGCC 2

RESULT 703
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LOCUS AX688730 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1462 from Patent EP1281758.
ACCESSION AX688730
VERSION AX688730.1 GI:29411434
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Homiidae; Homo.
TITLE Shannon.M., Gu.Y. and Nguyen.C.T.
JOURNAL Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
FEATURES mdz12
source Patent: EP 1281758-A 1462 05-FEB-2003;
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QY 1401 CTCACGGTGTGCC 1414
DB 14 CTCACGGTGTGCC 1

RESULT 704
AX688735/c
LOCUS AX688735 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1467 from Patent EP1281758.
ACCESSION AX688735
VERSION AX688735.1 GI:29411439
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Homiidae; Homo.
TITLE Shannon.M., Gu.Y. and Nguyen.C.T.
JOURNAL Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
FEATURES mdz12
source Patent: EP 1281758-A 1467 05-FEB-2003;
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 762 CGGTGCACCTGGAG 775
DB 17 CGGTGCACCTGGAG 4

RESULT 707
AX688738/c
LOCUS AX688738 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1470 from Patent EP1281758.
ACCESSION AX688738
VERSION AX688738.1 GI:29411440
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Homiidae; Homo.
TITLE Shannon.M., Gu.Y. and Nguyen.C.T.
JOURNAL Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
FEATURES mdz12
source Patent: EP 1281758-A 1468 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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/db_xref="taxon:9606"
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BASE COUNT 3 a 6 c 6 g 2 t
Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 762 CGGTGCACCTGGAG 775
DB 15 CGGTGCACCTGGAG 2

RESULT 707
AX688738/c
LOCUS AX688738 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 1470 from Patent EP1281758.
ACCESSION AX688738
VERSION AX688738.1 GI:29411441
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Euthera; Primates; Catarrhini; Homiidae; Homo.
TITLE Shannon.M., Gu.Y. and Nguyen.C.T.
JOURNAL Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
FEATURES mdz12
source Patent: EP 1281758-A 1469 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 762 CGGTGCACCTGGAG 775
DB 15 CGGTGCACCTGGAG 2

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VERSION AX698738.1 GI:29411442
KEYWORDS Homo sapiens (human)
SOURCE
ORGANISM
REFERENCE
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1470 05-FEB-2003;
Aeomica, Inc. (US)
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BASE COUNT 3 a 5 c 7 g 2 t
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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db 14 CGGTGCACCTGGAG 1
RESULT 708
AX690457
LOCUS AX690457 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3189 from Patent EP1281758.
ACCESSION AX690457
VERSION AX690457.1 GI:29413338
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 3189 05-FEB-2003;
Aeomica, Inc. (US)
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/db_xref="taxon:9606"
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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 243 GGAAGAGGAGGCAC 256
Db 4 GGAAGAGGAGGCAC 17
RESULT 709
AX690458
LOCUS AX690458 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3190 from Patent EP1281758.
ACCESSION AX690458
VERSION AX690458.1 GI:29413339
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 3190 05-FEB-2003;
Aeomica, Inc. (US)
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/db_xref="taxon:9606"

AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 3190 05-FEB-2003;
Aeomica, Inc. (US)
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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 243 GGAAGAGGAGGCAC 256
Db 3 GGAAGAGGAGGCAC 16
RESULT 710
AX690459
LOCUS AX690459 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3191 from Patent EP1281758.
ACCESSION AX690459
VERSION AX690459.1 GI:29413340
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 3191 05-FEB-2003;
Aeomica, Inc. (US)
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BASE COUNT 8 a 1 c 7 g 1 t
Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 243 GGAAGAGGAGGCAC 256
Db 2 GGAAGAGGAGGCAC 15
RESULT 711
AX690460
LOCUS AX690460 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 3192 from Patent EP1281758.
ACCESSION AX690460
VERSION AX690460.1 GI:29413341
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 3192 05-FEB-2003;
Aeomica, Inc. (US)
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/db_xref="taxon:9606"

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Query Match      0.8%; Score 12.4; DB 1; Length 17;
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

BASE COUNT      7 a 1 c 7 g 2 t

/organism="Homo sapiens"
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QY 243 GGAAGAGGAGGCAC 256
Db 1 GGAGGAGGAGGCAC 14

RESULT 712
LOCUS      AX696158      17 bp      DNA      linear      PAT 31-MAR-2003
DEFINITION Sequence 57 from Patent WO03008640.
ACCESSION  AX696158
VERSION     AX696158.1 GI:29419318
KEYWORDS   Homo sapiens (human)
SOURCE     Homo sapiens
ORGANISM   Homo sapiens
REFERENCE  1
AUTHORS    Whittaker P.A., Meyers, D.A., Postma, D.S. and Bleecker, E.R.
TITLE      Asthma-associated Gene
JOURNAL    Patent: WO 03008640-A 57 30-JAN-2003;
            Novartis AG (CH); Novartis Pharma GmbH (AT); Wake Forest
            University Health Sciences (US); Rijksuniversiteit te Groningen
            (NL)
FEATURES   Location/Qualifiers
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BASE COUNT      2 a 6 c 5 g 4 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. NO. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 971 GTGGGCGCCGACAA 984
Db 1 GTGGGCGCCGCTCAA 14

RESULT 713
AX722711/c
LOCUS      AX722711      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 398 from Patent WO03025176.
ACCESSION  AX722711
VERSION     AX722711.1 GI:30423212
KEYWORDS   Mus musculus (house mouse)
SOURCE     Mus musculus
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman, A., Anson, R. and Tuijthinder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 398 27-MAR-2003;
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FEATURES   Location/Qualifiers
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BASE COUNT      3 a 3 c 6 g 5 t

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Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. NO. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 681 CCAAGGCACATATC 694
Db 14 CCAAGGCACAGATC 1

RESULT 714
AX724356
LOCUS      AX724356      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 2043 from Patent WO03025176.
ACCESSION  AX724356
VERSION     AX724356.1 GI:30503699
KEYWORDS   Mus musculus (house mouse)
SOURCE     Mus musculus
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman, A., Anson, R. and Tuijthinder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 2043 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   Location/Qualifiers
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BASE COUNT      4 a 5 c 3 g 5 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. NO. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 293 ATCCCAATGTGGC 306
Db 2 ATCCCAATGTTC 15

RESULT 715
AX724898
LOCUS      AX724898      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 2585 from Patent WO03025176.
ACCESSION  AX724898
VERSION     AX724898.1 GI:30504241
KEYWORDS   Mus musculus (house mouse)
SOURCE     Mus musculus
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman, A., Anson, R. and Tuijthinder, M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 2585 27-MAR-2003;
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FEATURES   Location/Qualifiers
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Query Match      0.8%; Score 12.4; DB 1; Length 17;
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 873 TCCTGGACCGGAC 886

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Db      3 TCTGGACCGCCAC 16
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RESULT 716
AX726731
LOCUS      AX726731
DEFINITION Sequence 4418 from Patent WO03025176.
ACCESSION AX726731
VERSION    AX726731.1 GI:30506074
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM
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AUTHORS    Telerman,A., Amson,R. and Tuijinder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
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JOURNAL    Patent: WO 03025176-A 4418 27-MAR-2003;
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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      346 GATCTCCAGAACT 359
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Db      1 GATCCCCAGAACT 14

RESULT 717
AX727805
LOCUS      AX727805
DEFINITION Sequence 5492 from Patent WO03025176.
ACCESSION AX727805
VERSION    AX727805.1 GI:30507148
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM
REFERENCE
AUTHORS    Telerman,A., Amson,R. and Tuijinder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
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JOURNAL    Patent: WO 03025176-A 5492 27-MAR-2003;
            Molecular Engines Laboratories (FR)
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      548 CACCACTCAGAGGA 561
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Db      4 CACCACTCAGAGAA 17

RESULT 718
AX728285
LOCUS      AX728285
DEFINITION Sequence 5972 from Patent WO03025176.
ACCESSION AX728285
VERSION    AX728285.1 GI:30507628
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM
REFERENCE
AUTHORS    Telerman,A., Amson,R. and Tuijinder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
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JOURNAL    Patent: WO 03025176-A 5972 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   source
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BASE COUNT 2 a 11 c 2 g 2 t
Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1549 GCGCGGGGAGGGG 1562
|||||
Db      17 GCGTGGGGGAGGGG 4

RESULT 719
AX729359
LOCUS      AX729359
DEFINITION Sequence 993 from Patent WO03025175.
ACCESSION AX729359
VERSION    AX729359.1 GI:30508702
KEYWORDS
SOURCE     Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS    Telerman,A., Amson,R. and Tuijinder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025175-A 993 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   source
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Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      944 CTGCTCACCAGCGGC 957
|||||
Db      4 CTCTCACCAGCGGC 17

RESULT 720
AX729407/c
LOCUS      AX729407/c
DEFINITION Sequence 1041 from Patent WO03025175.
ACCESSION AX729407
VERSION    AX729407.1 GI:30508750

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KEYWORDS      Homo sapiens (human)
SOURCE        Homo sapiens
ORGANISM      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS      Telerman,A., Amson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or virus resistance and their use as
              medicines
JOURNAL      Patent: WO 03025175-A 1041 27-MAR-2003;
              Molecular Engines Laboratories (FR)
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0.

QY 1513 GCTGGGCGATGGCG 1526
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Db 17 GCTGGGCGATGGTG 4

RESULT 721
LOCUS      AX732545 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4179 from Patent WO03025175.
ACCESSION  AX732545
VERSION     AX732545.1 GI:30511888
KEYWORDS    Homo sapiens (human)
ORGANISM    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS      Telerman,A., Amson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or virus resistance and their use as
              medicines
JOURNAL      Patent: WO 03025175-A 4179 27-MAR-2003;
              Molecular Engines Laboratories (FR)
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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0.

QY 1192 GTCACGGCCCGG 1205
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Db 1 GATCAGGCCCGG 14

RESULT 722
LOCUS      AX733202/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4836 from Patent WO03025175.
ACCESSION  AX733202
VERSION     AX733202.1 GI:30512545
KEYWORDS    Homo sapiens (human)
ORGANISM    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS      Telerman,A., Amson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or virus resistance and their use as
              medicines
JOURNAL      Patent: WO 03025175-A 4836 27-MAR-2003;
              Molecular Engines Laboratories (FR)
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BASE COUNT   5 a 1 c 5 g 2 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0.

QY 303 TCTTCTACGTGATC 916
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Db 14 TCTTCTACTTGATC 1

RESULT 724
LOCUS      AX737927 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3517 from Patent WO03025177.
ACCESSION  AX737927
VERSION     AX737927.1 GI:30517215
KEYWORDS    Homo sapiens (human)
ORGANISM    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS      Telerman,A., Amson,R. and Tuijnder,M.
TITLE        Sequences involved in phenomena of tumour suppression, tumour
              reversion, apoptosis and/or virus resistance and their use as
              medicines
JOURNAL      Patent: WO 03025177-A 1149 27-MAR-2003;
              Molecular Engines Laboratories (FR)
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source       1..17
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              /db_xref="taxon:9606"
BASE COUNT   9 a 1 c 5 g 2 t

Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 6.6e+02;
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QY 903 TCTTCTACGTGATC 916
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Db 14 TCTTCTACTTGATC 1

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JOURNAL Patent: WO 03025177-A 3517 27-MAR-2003;
Molecular Engines Laboratories (FR)

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QY 254 CACCCCAAAAAGCT 267

Db 4 CACCTCAAAAAGCT 17

RESULT 725

AX738886
LOCUS AX738886 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4476 from Patent WO03025177.
ACCESSION AX738886
VERSION AX738886.1 GI:30518176
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE

1 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 Telerman, A., Amson, R. and Tuljinder M.
Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
Molecular Engines Laboratories (FR)
Patent: WO 03025177-A 4476 27-MAR-2003;

JOURNAL

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5 a 4 c 4 g 4 t

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/mol_type="genomic DNA"
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5 a 4 c 4 g 4 t

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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1525 GGTCAAGTCCAGCT 1538

Db 1 GATCAAGTCCAGCT 14

RESULT 726

BD013476
LOCUS BD013476 17 bp DNA linear PAT 27-AUG-2002
DEFINITION Diagnosis kit of tubercle bacillus.
ACCESSION BD013476
VERSION BD013476.1 GI:22553790
KEYWORDS
SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis

REFERENCE

1 (bases 1 to 17)
Suzuki, S., Nishida, M. and Takenishi, S.
Diagnosis kit of tubercle bacillus
Patent: JP 2001103981-A 40 17-APR-2001;
NISSHINO IND INC, SYSTEM RESEARCH CO LTD
OS Mycobacterium tuberculosis
PN JP 2001103981-A/40
PD 17-APR-2001
PF 26-JUL-2000 JP 2000225985

AUTHORS

1 (bases 1 to 17)
Suzuki, S., Nishida, M. and Takenishi, S.
Diagnosis kit of tubercle bacillus
Patent: JP 2001103981-A 40 17-APR-2001;
NISSHINO IND INC, SYSTEM RESEARCH CO LTD
OS Mycobacterium tuberculosis
PN JP 2001103981-A/40
PD 17-APR-2001
PF 26-JUL-2000 JP 2000225985

COMMENT

Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors.

PI SADAHIKO SUZUKI, MICHIO NISHIDA, SOICHIRO TAKENISHI PC
C12N15/09, C12N15/09, C12M1/00, C12Q1/68, C12Q1/68, C12R1/32, PC
(C12Q1/68, C12R1/325), (C12Q1/68, C12R1/33), C12N15/00, C12N15/00 CC
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FEATURES

source

BASE COUNT

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QY 394 CCCGACATCATAT 407

Db 17 CCCGACATCATAT 4

RESULT 727

BD013496
LOCUS BD013496 17 bp DNA linear PAT 27-AUG-2002
DEFINITION Diagnosis kit of tubercle bacillus.
ACCESSION BD013496
VERSION BD013496.1 GI:22553810
KEYWORDS
SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis

REFERENCE

1 (bases 1 to 17)
Suzuki, S., Nishida, M. and Takenishi, S.
Diagnosis kit of tubercle bacillus
Patent: JP 2001103981-A 60 17-APR-2001;
NISSHINO IND INC, SYSTEM RESEARCH CO LTD
OS Mycobacterium tuberculosis
PN JP 2001103981-A/60
PD 17-APR-2001
PF 26-JUL-2000 JP 2000225985

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

BASE COUNT

Query Match

Best Local Similarity

Matches

Conservative

Mismatches

Indels

Gaps

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VERSION      BD067380.1  GI:22612983
KEYWORDS     JP 2001511003-A/220.
SOURCE       unidentified
ORGANISM     unidentified
REFERENCE    1 (bases 1 to 17)
AUTHORS      Akhtar,S., Fell,P. and Mcswiggen,J.A.
TITLE        Enzymatic nucleic acid treatment of diseases or conditions related
              to levels of epidermal growth factor receptors
JOURNAL      Patent: JP 2001511003-A/220 07-AUG-2001;
              RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT      OS Unidentified
              PN JP 2001511003-A/220
              PD 07-AUG-2001
              PF 14-JAN-1998 JP 1998532913
              PR 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
              SAGHIR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
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              CC Topology: Linear;
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 348 TCTCCAGAACTCC 361
Db 17 TCTCCAGAACTCC 4

RESULT 729
LOCUS      BD067381/c
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
            to levels of epidermal growth factor receptors.
ACCESSION  BD067381
VERSION     BD067381.1  GI:22612984
KEYWORDS   JP 2001511003-A/221.
SOURCE      unidentified
ORGANISM    unclassified
REFERENCE   1 (bases 1 to 17)
AUTHORS      Akhtar,S., Fell,P. and Mcswiggen,J.A.
TITLE        Enzymatic nucleic acid treatment of diseases or conditions related
              to levels of epidermal growth factor receptors
JOURNAL      Patent: JP 2001511003-A/221 07-AUG-2001;
              RIBOZYME PHARMACEUTICALS INC,ASTON UNIV
COMMENT      OS Unidentified
              PN JP 2001511003-A/221
              PD 07-AUG-2001
              PF 14-JAN-1998 JP 1998532913
              PR 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
              SAGHIR AKHTAR,PATRICIA FELL,JAMES A MCSWIGGEN PC
              C12N9/00,C07K14/71
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FEATURES     source
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BASE COUNT   5 a 0 c 8 g 4 t

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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
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QY 348 TCTCCAGAACTCC 361
Db 16 TCTCCAGAACTCC 3

RESULT 730
LOCUS      BD104453
DEFINITION Kit and method for determining HLA type.
ACCESSION  BD104453
VERSION     BD104453.1  GI:22650027
KEYWORDS   WO 0192572-A/557.
SOURCE      synthetic construct
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              artificial sequences.
              1 (bases 1 to 17)
              /organism='Unidentified'.

REFERENCE   1 (bases 1 to 17)
AUTHORS      Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and
              Nishida,M.
TITLE        Kit and method for determining HLA type
JOURNAL      Patent: WO 0192572-A 557 06-DEC-2001;
              NISSHINBO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO
              KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA, SHOGO MORIYA,MICHIO
              NISHIDA
              OS Artificial Sequence
              PN WO 0192572-A/557
              PD 06-DEC-2001
              PR 01-JUN-2001 WO 2001JP004662
              PR 01-JUN-2000 JP 00P 164798
              PI HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI
              MATSUMURA,
              PI SHOGO MORIYA,MICHIO NISHIDA
              PC C12Q1/68,C12M1/00,C12N15/09,G01N33/53
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BASE COUNT   0 a 7 c 8 g 2 t

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Best Local Similarity 92.9%; Pred. No. 6.6e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1024 GGGGCCCGCTCCG 1037
Db 4 GGGGCCCGCTCCG 17

RESULT 731
LOCUS      BD104759/c
DEFINITION Kit and method for determining HLA type.
ACCESSION  BD104759
VERSION     BD104759.1  GI:22650333
KEYWORDS   WO 0192572-A/863.
SOURCE      synthetic construct
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              synthetic construct

FEATURES     source
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BASE COUNT   0 a 7 c 8 g 2 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1024 GGGGCCCGCTCCG 1037
Db 4 GGGGCCCGCTCCG 17

RESULT 731
LOCUS      BD104759/c
DEFINITION Kit and method for determining HLA type.
ACCESSION  BD104759
VERSION     BD104759.1  GI:22650333
KEYWORDS   WO 0192572-A/863.
SOURCE      synthetic construct
              ORGANISM
              synthetic construct

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Db	1	GCCTTCGCGCCCTT	14						
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DEFINITION	184401	Sequence 2 from patent US 5695933.							
ACCESSION	184401								
VERSION	184401.1	GI:3021921							
KEYWORDS									
SOURCE	Unknown.								
ORGANISM	Unclassified.								
REFERENCE	1 (bases 1 to 30)								
AUTHORS	Schalling, M., Hudson, T.J. and Housman, D.E.								
TITLE	Direct detection of expanded nucleotide repeats in the human genome								
JOURNAL	Patent: US 5695933-A 2 09-DEC-1997;								
FEATURES	Location/Qualifiers								
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BASE COUNT		0	a	20	c	10	g	0	t
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Best Local Similarity		63.3%;	Pred. No. 6.6e+02;						
Matches 19;	Conservative	0;	Mismatches 11;	Indels	0;	Gaps	0;		
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Db	1	CCGCCGCGCGCGCGCGCGCGCGCGCG	30						
RESULT 739									
LOCUS	AX216373								
DEFINITION	AX216373	Sequence 1815 from Patent WO0159103.							
ACCESSION	AX216373								
VERSION	AX216373.1	GI:15526434							
KEYWORDS									
SOURCE	synthetic construct								
ORGANISM	synthetic construct								
REFERENCE	1	artificial sequences.							
AUTHORS	Blatt, L., McSwiggen, J. and Chowrira, B.M.								
TITLE	Method and reagent for the modulation and diagnosis of cd20 and								
JOURNAL	nogo gene expression								
FEATURES	Patent: WO 0159103-A 1815 16-AUG-2001;								
source	RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;								
	McSwiggen, James (US) ; Chowrira, Bharat M. (US)								
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Matches 14;	Conservative	0;	Mismatches 3;	Indels	0;	Gaps	0;		
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Db	1	TGCCGCGCGCGCGCGCG	17						

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RESULT 740
AX216946
LOCUS AX216946 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2388 from Patent WO0159103.
ACCESSION AX216946
VERSION AX216946.1 GI:15527007
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
PATENT: WO 0159103-A 2388 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
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QY 1319 CTGCGCCCGCGGCAC 1335
Db 1 CTGCGCCCGCGGCACC 17

RESULT 741
AX216951
LOCUS AX216951 17 bp mRNA linear PAT 07-SEP-2001
DEFINITION Sequence 2393 from Patent WO0159103.
ACCESSION AX216951
VERSION AX216951.1 GI:15527012
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1
AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE Method and reagent for the modulation and diagnosis of cd20 and
JOURNAL nogo gene expression
PATENT: WO 0159103-A 2393 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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/mol_type="mRNA"
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/note="Nucleic Acid"
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1407 GTGCTGCCGAGCTCCG 1423
Db 1 GTGCGCCCGCGGCCCG 17

RESULT 742
AX499046/c
LOCUS AX499046/c 17 bp DNA linear PAT 27-SEP-2002
DEFINITION Sequence 353 from Patent EP1229046.

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ACCESSION AX499046
VERSION AX499046.1 GI:23381339
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Zhan, J.
TITLE Human testis expressed patched like protein
JOURNAL Patent: EP 1229046-A 353 07-AUG-2002;
Aecomica, Inc. (US)
FEATURES
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 1 a 9 c 5 g 2 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1532 TCCAGCTGAAGCGGG 1548
Db 17 TCCAGCGCGAGCGGG 1

RESULT 743
A27313
LOCUS A27313 17 bp DNA linear PAT 26-SEP-1995
DEFINITION Synthetic betaGlc linker 1.
ACCESSION A27313
VERSION A27313.1 GI:1248429
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 17)
AUTHORS Seemann, G., Bosslet, K., Czech, J., Kolar, C., Hoffmann, D. and
Sedlacek, H.H.
TITLE Fusion proteins with monoclonal antibody, linker and beta
JOURNAL Glucuronidase for prodrug activation; Preparation and use thereof
PATENT: EP 0501215-A 5 02-SEP-1992;
BEHRINGERWERKE Aktiengesellschaft
FEATURES
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/db_xref="taxon:32630"
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1374 GCGCGCGCGCGAGTA 1390
Db 1 GCGCGCGCGCGGTGCA 17

RESULT 744
A87923/c
LOCUS A87923 17 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 71 from Patent WO9833904.
ACCESSION A87923
VERSION A87923.1 GI:6736493
KEYWORDS unidentified
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Brysch, W. and Schlingensiefen, K.

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TITLE AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
JOURNAL Patent: WO 9833904-A 71 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)

FEATURES

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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 850 GCTCTACAGCGACTTCC 866

Db 17 GCTGTACATTGACTTCC 1

RESULT 745
A89890/c

LOCUS A89890 17 bp DNA linear PAT 22-JAN-2000
DEFINITION Sequence 71 from Patent EP0856579.

ACCESSION A89890

VERSION A89890.1 GI:6738404

KEYWORDS unidentified

SOURCE unidentified

ORGANISM unclassified.

REFERENCE 1 (bases 1 to 17)

AUTHORS Brysch, W.D. and Schlingsensiepen, K.D.

TITLE An antisense oligonucleotide preparation method

JOURNAL Patent: EP 0856579-A 71 05-AUG-1998;

BIOGNOSTIK GES (DE)

FEATURES

source
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Location/Qualifiers

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/mol_type="genomic DNA"

/db_xref="taxon:32644"

BASE COUNT 6 a 3 c 5 g 3 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 850 GCTCTACAGCGACTTCC 866

Db 17 GCTGTACATTGACTTCC 1

RESULT 746
AR024080/c

LOCUS AR024080 17 bp DNA linear PAT 05-DEC-1998
DEFINITION Sequence 30 from patent US 5795778.

ACCESSION AR024080

VERSION AR024080.1 GI:3977374

KEYWORDS Unknown.

SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 17)

AUTHORS Draper, K.G.

TITLE Method and reagent for inhibiting herpes simplex virus replication

JOURNAL Patent: US 5795778-A 30 18-AUG-1998;

FEATURES

source
1. .17
Location/Qualifiers

/organism="unknown"

BASE COUNT 0 a 13 c 3 g 1 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1549 GCGCGCGGAGGGGCGC 1565
Db 17 GCGCGCGGAGGGGCGC 1

RESULT 747

AR029907/c

LOCUS AR029907

DEFINITION Sequence 96 from patent US 5861244.

ACCESSION AR029907

VERSION AR029907.1 GI:5943121

KEYWORDS Unknown.

SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 17)

AUTHORS Wang, C.-G. and Hebburn, A.G.

TITLE Genetic sequence assay using DNA triple strand formation

JOURNAL Patent: US 5861244-A 96 19-JAN-1999;

FEATURES

source
1. .17
Location/Qualifiers

/organism="unknown"

BASE COUNT 0 a 14 c 1 g 2 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 7.1e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1558 AGGGCGCGGAGGGGG 1574

Db 17 AGGGCGCGGAGGGGG 1

RESULT 748

AR039163

LOCUS AR039163

DEFINITION Sequence 11 from patent US 5807743.

ACCESSION AR039163

VERSION AR039163.1 GI:5958526

KEYWORDS Unknown.

SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 17)

AUTHORS Stinchcomb, D.T. and McSwiggen, J.A.

TITLE Interleukin-2 receptor gamma-chain ribozymes

JOURNAL Patent: US 5807743-A 11 15-SEP-1998;

FEATURES

source
1. .17
Location/Qualifiers

/organism="unknown"

BASE COUNT 6 a 5 c 2 g 4 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 7.1e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 128 GAAGTCATCATTCAT 144

Db 1 GAAGCCATCATTCAT 17

RESULT 749

AR039607/c

LOCUS AR039607

DEFINITION Sequence 455 from patent US 5807743.

ACCESSION AR039607

VERSION AR039607.1 GI:5958570

KEYWORDS Unknown.

SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 17)

AUTHORS Stinchcomb, D.T. and McSwiggen, J.A.

17 bp DNA linear PAT 29-SEP-1999

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TITLE      Interleukin-2 receptor gamma-chain ribozymes
JOURNAL    Patent: US 5807743-A 455 15-SEP-1998;
FEATURES   Location/Qualifiers
           1. .17
           /organism="unknown"
BASE COUNT      0 a 11 c 0 g 6 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      15 GAGGAGGAGCGAGCG 31
Db      17 GAGGAGGAGCGAGCG 1

RESULT 750
AR039609/c
LOCUS      AR039609
DEFINITION Sequence 457 from patent US 5807743.
ACCESSION AR039609
VERSION    AR039609.1 GI:5958972
KEYWORDS   Unknown.
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Stinchcomb,D.T. and McSwiggen,J.A.
TITLE       Interleukin-2 receptor gamma-chain ribozymes
JOURNAL     Patent: US 5807743-A 457 15-SEP-1998;
FEATURES    Location/Qualifiers
           1. .17
           /organism="unknown"
BASE COUNT      0 a 11 c 0 g 6 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      13 GCGAGGAGAGCGAG 29
Db      17 GCGAGGAGAGCGAG 1

RESULT 751
AR039611/c
LOCUS      AR039611
DEFINITION Sequence 459 from patent US 5807743.
ACCESSION AR039611
VERSION    AR039611.1 GI:5958974
KEYWORDS   Unknown.
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Stinchcomb,D.T. and McSwiggen,J.A.
TITLE       Interleukin-2 receptor gamma-chain ribozymes
JOURNAL     Patent: US 5807743-A 459 15-SEP-1998;
FEATURES    Location/Qualifiers
           1. .17
           /organism="unknown"
BASE COUNT      0 a 10 c 0 g 7 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      12 AGCGAGGAGAGCGA 28
Db      17 AGCGAGGAGAGCGA 1

RESULT 752
AR039611/c
LOCUS      AR039611
DEFINITION Sequence 463 from patent US 5807743.
ACCESSION AR039611
VERSION    AR039611.1 GI:5958978
KEYWORDS   Unknown.
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Stinchcomb,D.T. and McSwiggen,J.A.
TITLE       Interleukin-2 receptor gamma-chain ribozymes
JOURNAL     Patent: US 5807743-A 463 15-SEP-1998;
FEATURES    Location/Qualifiers
           1. .17
           /organism="unknown"
BASE COUNT      0 a 10 c 0 g 7 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      41 GAGCGAGGAGGGAAG 57
Db      17 GAGGAGGAGGGAAG 1

RESULT 753
AR039963/c
LOCUS      AR039963
DEFINITION Sequence 811 from patent US 5807743.
ACCESSION AR039963
VERSION    AR039963.1 GI:5959326
KEYWORDS   Unknown.
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Stinchcomb,D.T. and McSwiggen,J.A.
TITLE       Interleukin-2 receptor gamma-chain ribozymes
JOURNAL     Patent: US 5807743-A 811 15-SEP-1998;
FEATURES    Location/Qualifiers
           1. .17
           /organism="unknown"
BASE COUNT      2 a 6 c 6 g 3 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      426 CCGGAGCGGACAGGCTG 442
Db      17 CCGGAGCGGACAGGCTG 1

RESULT 754
AR046684
LOCUS      AR046684
DEFINITION Sequence 1477 from patent US 5817796.
ACCESSION AR046684
VERSION    AR046684.1 GI:5968149
KEYWORDS   Unknown.
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 17)
AUTHORS     Stinchcomb,D.T., Draper,K., McSwiggen,J. and Jarvis,T.
TITLE       C-myc ribozymes having 2'-5'-linked adenylate residues
JOURNAL     Patent: US 5817796-A 1477 06-OCT-1998;
FEATURES    Location/Qualifiers
           1. .17
           /organism="unknown"
BASE COUNT      5 a 5 c 4 g 3 t

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Query Match          0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1205 GGCACCATTCATCAAA 1221
|||||
Db 1 GGCACCATTCGACAA 17

RESULT 755
AR074706          17 bp DNA linear PAT 28-AUG-2000
LOCUS
DEFINITION Sequence 3 from patent US 5955276.
ACCESSION AR074706
VERSION AR074706.1 GI:10001459
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Morgante,M. and Vogel,J.Marie.
TITLE Compound microsatellite primers for the detection of genetic
polymorphisms
JOURNAL Patent: US 5955276-A 3 21-SEP-1999;
FEATURES Location/Qualifiers
source
BASE COUNT 9 a 0 c 8 g 0 t

Query Match          0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGCA 28
|||||
Db 1 AGAGAGAGAGAGAGAGA 17

RESULT 756
AR074707          17 bp DNA linear PAT 28-AUG-2000
LOCUS
DEFINITION Sequence 4 from patent US 5955276.
ACCESSION AR074707
VERSION AR074707.1 GI:10001460
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Morgante,M. and Vogel,J.Marie.
TITLE Compound microsatellite primers for the detection of genetic
polymorphisms
JOURNAL Patent: US 5955276-A 4 21-SEP-1999;
FEATURES Location/Qualifiers
source
BASE COUNT 8 a 0 c 9 g 0 t

Query Match          0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 13 GCGAGGAGAGAGAGCGAG 29
|||||
Db 1 GAGAGAGAGAGAGAGAG 17

RESULT 757
AR074708          17 bp DNA linear PAT 28-AUG-2000
LOCUS
DEFINITION Sequence 5 from patent US 5955276.
ACCESSION AR074708

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VERSION AR074708.1 GI:10001461
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Morgante,M. and Vogel,J.Marie.
TITLE Compound microsatellite primers for the detection of genetic
polymorphisms
JOURNAL Patent: US 5955276-A 5 21-SEP-1999;
FEATURES Location/Qualifiers
source
BASE COUNT 0 a 8 c 0 g 9 t

Query Match          0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGCA 28
|||||
Db 17 AGAGAGAGAGAGAGAGA 1

RESULT 758
AR074709/c
LOCUS
DEFINITION Sequence 6 from patent US 5955276.
ACCESSION AR074709
VERSION AR074709.1 GI:10001462
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Morgante,M. and Vogel,J.Marie.
TITLE Compound microsatellite primers for the detection of genetic
polymorphisms
JOURNAL Patent: US 5955276-A 6 21-SEP-1999;
FEATURES Location/Qualifiers
source
BASE COUNT 0 a 9 c 0 g 8 t

Query Match          0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 13 GCGAGGAGAGAGAGCGAG 29
|||||
Db 17 GAGAGAGAGAGAGAGAG 1

RESULT 759
AR107651
LOCUS
DEFINITION Sequence 4 from patent US 6110665.
ACCESSION AR107651
VERSION AR107651.1 GI:12823138
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Fenger,C.K., Granstrom,D.E., Gajadhar,A.A. and Dubey,J.P.
TITLE Sarcocystis neurona diagnostic primer and its use in methods of
equine protozoal myeloencephalitis diagnosis
JOURNAL Patent: US 6110665-A 4 29-AUG-2000;
FEATURES Location/Qualifiers
source
BASE COUNT 2 a 5 c 8 g 2 t

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QY 75 ACGCACACACCGCGCC 91
Db 17 ACCCACACCGCGCCAC 1

RESULT 765
AR185983/c
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 1471 from patent US 6346398.
ACCESSION AR185983
VERSION AR185983.1 GI:20231948
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 1471 12-FEB-2002;
FEATURES
source 1..17
Location/Qualifiers
BASE COUNT 0 a 5 c 9 g 3 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 978 CGCACACACGTCGCC 994
Db 17 CGGCCAACGACCGCGCC 1

RESULT 766
AR188484
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 3972 from patent US 6346398.
ACCESSION AR188484
VERSION AR188484.1 GI:20234449
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 3972 12-FEB-2002;
FEATURES
source 1..17
Location/Qualifiers
BASE COUNT 3 a 2 c 6 g 6 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1449 ACTGGTACTCGCAGCTG 1465
Db 1 ACTGGTATTGCGAGTTG 17

RESULT 767
AR188509/c
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 3997 from patent US 6346398.
ACCESSION AR188509
VERSION AR188509.1 GI:20234474
KEYWORDS
SOURCE
ORGANISM
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Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 3997 12-FEB-2002;
FEATURES
source 1..17
Location/Qualifiers
BASE COUNT 4 a 2 c 4 g 7 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 260 AAAAAGCTGACCCCTTT 276
Db 17 ACAAGCTGACACATTT 1

RESULT 768
AR188587
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 4075 from patent US 6346398.
ACCESSION AR188587
VERSION AR188587.1 GI:20234552
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 4075 12-FEB-2002;
FEATURES
source 1..17
Location/Qualifiers
BASE COUNT 5 a 1 c 5 g 6 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 400 CATCATATTTAAGGATG 416
Db 1 CATGTATTGAGGATG 17

RESULT 769
AR191744
LOCUS 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 7232 from patent US 6346398.
ACCESSION AR191744
VERSION AR191744.1 GI:20237709
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
TITLE Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
JOURNAL Patent: US 6346398-A 7232 12-FEB-2002;
FEATURES
source 1..17
Location/Qualifiers
BASE COUNT 0 a 5 c 5 g 7 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 734 TCGGAGGCTGCTTCCC 750
Db 1 TCGGAGGCTGCTTCTC 17

RESULT 770
LOCUS AR195605 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 70 from patent US 6350934.
ACCESSION AR195605
VERSION AR195605.1 GI:20245042
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P. Ann.Owens.,
Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 70 26-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 1 a 5 c 10 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1364 GACCGCGGGCGCGCG 1380
Db 1 GACCGCGTCGCGCGCG 17

RESULT 771
LOCUS AR195753 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 218 from patent US 6350934.
ACCESSION AR195753
VERSION AR195753.1 GI:20245190
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P. Ann.Owens.,
Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 218 26-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 1 a 7 c 6 g 3 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1015 CTCAGCCTCGGGGTCGC 17
Db 1 CTCAGCCTCGGGGTCGC 17

RESULT 772
LOCUS AR195755 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 220 from patent US 6350934.
ACCESSION AR195755
VERSION AR195755.1 GI:20245192
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P. Ann.Owens.,
Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 220 26-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 0 a 6 c 9 g 2 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1367 CGCGGGGCGCGCGCG 1383
Db 1 CTCGGGGTCGCGCGCG 17

RESULT 773
LOCUS AR195755/c 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 220 from patent US 6350934.
ACCESSION AR195755
VERSION AR195755.1 GI:20245192
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P. Ann.Owens.,
Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 220 26-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 0 a 6 c 9 g 2 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 993 CCACCGGGGAGCGCGAG 1009
Db 17 CCGCGGGGACCCCGAG 1

RESULT 774
LOCUS AR196227 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 692 from patent US 6350934.
ACCESSION AR196227
VERSION AR196227.1 GI:20245664
KEYWORDS
SOURCE
ORGANISM
REFERENCE 1 (bases 1 to 17)
AUTHORS Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P. Ann.Owens.,
Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
TITLE Nucleic acid encoding delta-9 desaturase
JOURNAL Patent: US 6350934-A 692 26-FEB-2002;
FEATURES Location/Qualifiers
source 1..17
BASE COUNT 0 a 11 c 3 g 3 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 941 CTGCTGCTCAGCGCGC 957

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1 CTGCTCTCCGCGCGC 17

RESULT 775
AR200322/c
LOCUS AR200322 17 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 79 from patent US 6355785.
ACCESSION AR200322
VERSION AR200322.1 GI:20250396
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Rando,R.F., Pennewald,S., Zendequi,J.G., Ojwang,J.O., Hogan,M.E.,
Pommier,Y. and Mazumder,A.
TITLE Guanosine-rich oligonucleotide integrase inhibitors
JOURNAL Patent: US 6355785-A 79 12-MAR-2002;
FEATURES
source Location/Qualifiers
BASE COUNT 0 a 1 c 12 g 4 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 75 ACCGACACACCGCGCGC 91
Db 17 ACCGACACCGCGCGC 1

RESULT 776
AR224299/c
LOCUS AR224299 17 bp DNA linear PAT 26-SEP-2002
DEFINITION Sequence 30 from patent US 6440719.
ACCESSION AR224299
VERSION AR224299.1 GI:23333076
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Draper,K.G.
TITLE Method and reagent for inhibiting herpes simplex virus replication
JOURNAL Patent: US 6440719-A 30 27-AUG-2002;
FEATURES
source Location/Qualifiers
BASE COUNT 0 a 13 c 3 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1549 GCGCGGGGAGGGGCGC 1565
Db 17 GCGCGGGGAGGGGCGC 1

RESULT 777
AR242713
LOCUS AR242713 17 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 1 from patent US 6475486.
ACCESSION AR242713
VERSION AR242713.1 GI:27289217
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Kolar,C., Czech,J., Bosslet,K., Seemann,G., Sedlacek,H.-H. and

Hoffman,D.
Glycosyl-etosopside prodrugs, a process for preparation thereof and
the use thereof in combination with functionalized tumor-specific
enzyme conjugates
Patent: US 6475486-A 1 05-NOV-2002;
FEATURES
source Location/Qualifiers
BASE COUNT 1 a 5 c 10 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1374 GCGCGCGCGCAGATGA 1390
Db 1 GCGCGCGCGCGCGTGCA 17

RESULT 778
AR243452/c
LOCUS AR243452 17 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 245 from patent US 6475789.
ACCESSION AR243452
VERSION AR243452.1 GI:27290663
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Czech,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Morin,G.B.,
Harley,C.B. and Andrews,W.H.
TITLE Human telomerase catalytic subunit: diagnostic and therapeutic
methods
JOURNAL Patent: US 6475789-A 245 05-NOV-2002;
FEATURES
source Location/Qualifiers
BASE COUNT 2 a 10 c 4 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1362 GGGACCGCGCGGCGCGC 1378
Db 17 GGCATCGCGGGGTGGC 1

RESULT 779
AR262453/c
LOCUS AR262453 17 bp DNA linear PAT 29-JAN-2003
DEFINITION Sequence 79 from patent US 6323185.
ACCESSION AR262453
VERSION AR262453.1 GI:28073884
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 17)
AUTHORS Rando,R.F., Pennewald,S., Zendequi,J.G., Ojwang,J.O. and Hogan,M.E.
TITLE Anti-viral guanosine-rich oligonucleotides and method of treating
HIV
JOURNAL Patent: US 6323185-A 79 27-NOV-2001;
FEATURES
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BASE COUNT 0 a 1 c 12 g 4 t
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QY 75 ACCGACACCCCGCCG 91
Db 17 ACCGACACCCCGCCAC 1

RESULT 780
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LOCUS AR285947 17 bp RNA linear PAT 10-APR-2003
DEFINITION Sequence 319 from patent US 6528640.
ACCESSION AR285947
VERSION AR285947.1 GI:29723543
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE Synthetic ribonucleic acids with RNase activity
JOURNAL Patent: US 6528640-A 319 04-MAR-2003;
FEATURES Location/Qualifiers
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1548 GGGCCGGGGGAGGGCG 1564
Db 17 GGGCCGGGGGCGGGCG 1

RESULT 781
AR286005
LOCUS AR286005 17 bp RNA linear PAT 10-APR-2003
DEFINITION Sequence 377 from patent US 6528640.
ACCESSION AR286005
VERSION AR286005.1 GI:29723601
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE Synthetic ribonucleic acids with RNase activity
JOURNAL Patent: US 6528640-A 377 04-MAR-2003;
FEATURES Location/Qualifiers
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 184 CCTGCTCTCTCGCTGC 200
Db 1 CCTGCTCTCTCGCTGC 17

RESULT 782
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LOCUS AR286300 17 bp RNA linear PAT 10-APR-2003
DEFINITION Sequence 672 from patent US 6528640.
ACCESSION AR286300
VERSION AR286300.1 GI:29723896
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE Synthetic ribonucleic acids with RNase activity
JOURNAL Patent: US 6528640-A 672 04-MAR-2003;
FEATURES Location/Qualifiers
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BASE COUNT 3 a 4 c 7 g 3 t
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1505 CTGCACCGCTGGGCAT 1521
Db 1 CTGCAGGGCTGGGCAT 17

RESULT 783
AR286317/c
LOCUS AR286317 17 bp RNA linear PAT 10-APR-2003
DEFINITION Sequence 689 from patent US 6528640.
ACCESSION AR286317
VERSION AR286317.1 GI:29723913
KEYWORDS Unknown.
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Matulic-Adamic,J., Sweedler,D. and Zinnen,S.
TITLE Synthetic ribonucleic acids with RNase activity
JOURNAL Patent: US 6528640-A 689 04-MAR-2003;
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QY 1256 GAGCACAGCTGGGGCA 1272
Db 17 GGCACAGCTGGTGCA 1

RESULT 784
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LOCUS AX060340 17 bp DNA linear PAT 22-JAN-2001
DEFINITION Sequence 48 from Patent WO0078802.
ACCESSION AX060340
VERSION AX060340.1 GI:12405829
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Shinkets,R.A., Fernandes,E., Vernet,C., Yang,M., Boldog,F.L. and
Herrmann,J.L.
TITLE Secreted polypeptides and corresponding polynucleotides
JOURNAL Patent: WO 0078802-A 48 28-DEC-2000;
FEATURES Location/Qualifiers
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/mol_type="genomic DNA"
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/note="chemically synthesized"
BASE COUNT 3 a 10 c 2 g 2 t
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1113 GTGACGGGACGCGCGG 1129
DB 17 GTGATGGGAGCGCTGG 1

RESULT 785
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LOCUS AX074458 17 bp DNA linear PAT 06-FEB-2001
DEFINITION Sequence 18 from Patent WO0104319.
ACCESSION AX074458
VERSION AX074458.1 GI:12710586
KEYWORDS Infectious bursal disease virus (Gumboro virus)
SOURCE Viruses; deRNA viruses; Birnaviridae; Avibirnavirus.
ORGANISM
REFERENCE 1
AUTHORS Boot,H.J., ter Huurne,A.A. and Peeters,B.P.
TITLE Mosaic infectious bursal disease virus vaccines
JOURNAL Patent: WO 0104319-A 18 JAN-2001;
Stichting Dienst Landbouwkundig Onderzoek (NL)
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 977 CGCACACGACTCGGC 993
DB 17 CTGCACCGACTTGGC 1

RESULT 786
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LOCUS AX074465 17 bp DNA linear PAT 06-FEB-2001
DEFINITION Sequence 25 from Patent WO0104319.
ACCESSION AX074465
VERSION AX074465.1 GI:12710593
KEYWORDS Infectious bursal disease virus (Gumboro virus)
SOURCE Viruses; deRNA viruses; Birnaviridae; Avibirnavirus.
REFERENCE 1
AUTHORS Boot,H.J., ter Huurne,A.A. and Peeters,B.P.
TITLE Mosaic infectious bursal disease virus vaccines
JOURNAL Patent: WO 0104319-A 25 JAN-2001;
Stichting Dienst Landbouwkundig Onderzoek (NL)
FEATURES
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/db_xref="taxon:10995"
BASE COUNT 1 a 7 c 5 g 4 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1485 GGCTCTGTGGACAGCAG 1501
DB 17 GGCTCCAGGACAGCAG 1

RESULT 787
AX133871/c
LOCUS AX133871 17 bp DNA linear PAT 15-MAY-2001
DEFINITION Sequence 25 from Patent WO0104319.
ACCESSION AX133871
VERSION AX133871.1 GI:14547018
KEYWORDS Infectious bursal disease virus (Gumboro virus)
SOURCE Viruses; deRNA viruses; Birnaviridae; Avibirnavirus.
REFERENCE 1
AUTHORS Shimkets,R.A., Fernandes,E., Herrmann,J.L., Liu,X., Yang,M. and
Boldog,F.L.
TITLE Secreted human proteins, polynucleotides encoding them and methods
of using the same
JOURNAL Patent: WO 0119856-A 57 MAR-2001;
Curagen Corporation (US)
FEATURES
source 1..17
/organism="synthetic construct"
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/note="Agi74 reverse primer"
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QY 1113 GTGACGGGACGCGCGG 1129
DB 17 GTGATGGGAGCGCTGG 1

RESULT 788
AX139210
LOCUS AX139210 17 bp DNA linear PAT 30-MAY-2001
DEFINITION Sequence 58 from Patent EP1076099.
ACCESSION AX139210
VERSION AX139210.1 GI:14274883
KEYWORDS Mycobacterium tuberculosis
SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis
REFERENCE 1
AUTHORS Suzuki,Y., Nishida,M. and Takenishi,S.
TITLE Kit for diagnosis of tubercle bacilli
JOURNAL Patent: EP 1076099-A 58 FEB-2001;
NISHINBO INDUSTRIES, INC. (JP) ; System Research Incorporation (JP)
FEATURES
source 1..17
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/mol_type="genomic DNA"
/db_xref="taxon:1773"
/note="capture"
BASE COUNT 3 a 6 c 7 g 1 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1365 ACCGCGGGCGCGCGGC 1381
DB 1 ACCGATGAGCGCGGC 17

RESULT 789
AX166743
LOCUS AX166743 17 bp DNA linear PAT 22-JUN-2001
DEFINITION Sequence 234 from Patent WO0138503.
ACCESSION AX166743
VERSION AX166743.1 GI:14547018
KEYWORDS

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SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Plowman, G.D., Whyte, D., Manning, G.S., Sudarsanam, S.S., Martinez, R.,
 Flanagan, P. and Clary, D.S.
 TITLE Novel human protein kinases and protein kinase-like enzymes
 JOURNAL Patent: WO 0138503-A 234 31-MAY-2001;
 Sugen, Inc. (US)
 FEATURES
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 /organism="Homo sapiens"
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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 1203 AGGCACCACTTCATC 1219
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 RESULT 790
 AX173375/c
 LOCUS AX173375 17 bp DNA linear PAT 03-JUL-2001
 DEFINITION Sequence 29 from Patent WO0142445.
 ACCESSION AX173375
 VERSION AX173375.1 GI:14598150
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.
 REFERENCE 1
 AUTHORS Murphy, B.R., Collins, P.L., Schmidt, A.C., Durbin, A.P.,
 Skiadopoulos M.H. and Tao, T.
 TITLE Use of recombinant parainfluenza viruses (pivs) as vectors to
 protect against infection and disease caused by piv and other human
 pathogens
 JOURNAL Patent: WO 0142445-A 29 14-JUN-2001;
 The Secretary of the Department of Health and Human Services (US)
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 Location/Qualifiers
 /organism="synthetic construct"
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 QY 1008 AGGCCTCTCGGCTCG 1024
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 Db 17 AGGCCTCGGCGCGCG 1
 RESULT 791
 AX214609
 LOCUS AX214609 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 51 from Patent WO0159103.
 ACCESSION AX214609
 VERSION AX214609.1 GI:15524652
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.
 REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.

TITLE Method and reagent for the modulation and diagnosis of cd20 and
 nogo gene expression
 JOURNAL Patent: WO 0159103-A 51 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)
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 QY 1009 GCGCTCTCGGCTCGG 1025
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 AX215322
 LOCUS AX215322 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 764 from Patent WO0159103.
 ACCESSION AX215322
 VERSION AX215322.1 GI:15525365
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.
 REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 nogo gene expression
 JOURNAL Patent: WO 0159103-A 764 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)
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 QY 1367 CGCGGGCGCGCGCGG 1383
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 LOCUS AX215328 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 770 from Patent WO0159103.
 ACCESSION AX215328
 VERSION AX215328.1 GI:15525371
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM artificial sequences.
 REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 nogo gene expression
 JOURNAL Patent: WO 0159103-A 770 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

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LOCUS AX215379 17 bp mRNA linear PAT 07-SEP-2001					
DEFINITION Sequence 821 from Patent WO0159103.					
ACCESSION AX215379					
VERSION AX215379.1 GI:15525422					
KEYWORDS synthetic construct					
SOURCE synthetic construct					
ORGANISM artificial sequences.					
REFERENCE 1					
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.					
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression					
JOURNAL Patent: WO 0159103-A 821 16-AUG-2001;					
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;					
McSwiggen, James (US) ; Chowrira, Bharat M. (US)					
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LOCUS AX215409 17 bp mRNA linear PAT 07-SEP-2001					
DEFINITION Sequence 851 from Patent WO0159103.					
ACCESSION AX215409					
VERSION AX215409.1 GI:15525452					
KEYWORDS synthetic construct					
SOURCE synthetic construct					
ORGANISM artificial sequences.					
REFERENCE 1					
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.					
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression					
JOURNAL Patent: WO 0159103-A 851 16-AUG-2001;					
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;					
McSwiggen, James (US) ; Chowrira, Bharat M. (US)					
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VERSION AX215409.1 GI:15525452					
KEYWORDS synthetic construct					
SOURCE synthetic construct					
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REFERENCE 1					
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.					
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression					
JOURNAL Patent: WO 0159103-A 851 16-AUG-2001;					
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;					
McSwiggen, James (US) ; Chowrira, Bharat M. (US)					
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ORGANISM artificial sequences.					
REFERENCE 1					
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.					
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression					
JOURNAL Patent: WO 0159103-A 851 16-AUG-2001;					
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;					
McSwiggen, James (US) ; Chowrira, Bharat M. (US)					
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KEYWORDS synthetic construct					
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ORGANISM artificial sequences.					
REFERENCE 1					
AUTHORS Blatt,L., Mcswiggen,J. and Chowrira,B.M.					
TITLE Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression					
JOURNAL Patent: WO 0159103-A 851 16-AUG-2001;					
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;					
McSwiggen, James (US) ; Chowrira, Bharat M. (US)					
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;					
QY 1039 GGCGCACTGGGCCCTC 1055					
DB 17 GTGGCACTGGGCCCTC 1					
RESULT 795					
AX215409/c					
LOCUS AX215409 17 bp mRNA linear PAT 07-SEP-2001					
DEFINITION Sequence 851 from Patent WO0159103.					
ACCESSION AX215409					
VERSION AX215409.1 GI:15525452					
KEYWORDS synthetic construct					
SOURCE synthetic construct					

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1163 AGCAGGAGCGCGCGG 1179
 Db 17 AGCGGGATGCGCGGG 1

RESULT 798
 AX215459/c
 LOCUS AX215459 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 901 from Patent WO0159103.
 ACCESSION AX215459
 VERSION AX215459.1 GI:15525502
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 901 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES
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BASE COUNT 0 a 13 c 2 g 2 t
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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1550 GCCGGGGGCGCGG 1566
 Db 17 GCCGGGGGAGGAGGGG 1

RESULT 799
 AX216129/c
 LOCUS AX216129 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 1571 from Patent WO0159103.
 ACCESSION AX216129
 VERSION AX216129.1 GI:15526172
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 1571 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

FEATURES
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BASE COUNT 0 a 9 c 8 g 0 t
 Query Match 0.8%; Score 12.2; DB 1; Length 17;
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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1367 CGCGGGGCGCGCGG 1383
 Db 17 CCGCGGGGCGCGCGG 1

RESULT 800
 AX216149/c

LOCUS AX216149 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 1591 from Patent WO0159103.
 ACCESSION AX216149
 VERSION AX216149.1 GI:15526192
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 1591 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

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Qy 1370 GCGGGGCGCGCGG 1386
 Db 17 GCGGGGCGCGCGGGAG 1

RESULT 801
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 LOCUS AX216199 17 bp mRNA linear PAT 07-SEP-2001
 DEFINITION Sequence 1641 from Patent WO0159103.
 ACCESSION AX216199
 VERSION AX216199.1 GI:15526242
 KEYWORDS synthetic construct
 SOURCE synthetic construct
 ORGANISM synthetic construct
 artificial sequences.

REFERENCE 1
 AUTHORS Blatt, L., McSwiggen, J. and Chowrira, B.M.
 TITLE Method and reagent for the modulation and diagnosis of cd20 and
 JOURNAL nogo gene expression
 Patent: WO 0159103-A 1641 16-AUG-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
 McSwiggen, James (US); Chowrira, Bharat M. (US)

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Qy 860 GACTTCTCCTTCTTCT 876
 Db 17 GACTTCTCCTCCTCCT 1

RESULT 802
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 LOCUS AX216349 17 bp mRNA linear PAT 07-SEP-2001

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DEFINITION      Sequence 1791 from Patent WO0159103.
ACCESSION       AX216349
VERSION         AX216349.1 GI:15526410
KEYWORDS        synthetic construct
SOURCE          synthetic construct
ORGANISM        artificial sequences.
REFERENCE       1
AUTHORS         Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE           Method and reagent for the modulation and diagnosis of cd20 and
                nogo gene expression
JOURNAL         RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
                McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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QY      1402 TCCAGGTGCTGCGGCG 1418
Db      17 TGCAGCTGCTGCGGCG 1

RESULT 803
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DEFINITION   Sequence 2335 from Patent WO0159103.
ACCESSION    AX216893
VERSION      AX216893.1 GI:15526954
KEYWORDS     synthetic construct
SOURCE       synthetic construct
ORGANISM     artificial sequences.
REFERENCE    1
AUTHORS      Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE        Method and reagent for the modulation and diagnosis of cd20 and
                nogo gene expression
JOURNAL      RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
                McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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QY      1368 GCGGCGCGCGCGCGCG 1384
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RESULT 804
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LOCUS         AX216928      17 bp      mRNA      linear      PAT 07-SEP-2001
DEFINITION   Sequence 2370 from Patent WO0159103.
ACCESSION    AX216928
VERSION      AX216928.1 GI:15526989
KEYWORDS     synthetic construct
SOURCE

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ORGANISM        synthetic construct
REFERENCE       1
AUTHORS         Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE           Method and reagent for the modulation and diagnosis of cd20 and
                nogo gene expression
JOURNAL         RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
                McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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QY      527 GAGGCTGGGACGAGA 543
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RESULT 805
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DEFINITION   Sequence 3641 from Patent WO0159103.
ACCESSION    AX218199
VERSION      AX218199.1 GI:15528260
KEYWORDS     synthetic construct
SOURCE       synthetic construct
ORGANISM     artificial sequences.
REFERENCE    1
AUTHORS      Blatt, L., McSwiggen, J. and Chowrira, B.M.
TITLE        Method and reagent for the modulation and diagnosis of cd20 and
                nogo gene expression
JOURNAL      RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
                McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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                Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      409 TAAGGATGAGAGAAACA 425
Db      1 TAAGGATGATATAAAA 17

RESULT 806
AX262672/c
LOCUS         AX262672      17 bp      DNA      linear      PAT 26-OCT-2001
DEFINITION   Sequence 63 from Patent WO0173002.
ACCESSION    AX262672
VERSION      AX262672.1 GI:16511471
KEYWORDS     Homo sapiens (human)
SOURCE       Homo sapiens
ORGANISM     Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
                Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE    1
AUTHORS      Kmiec, E.B., Camper, H.B. and Rice, M.C.

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TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 63 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES Location/Qualifiers
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QY 589 GGACATCACCACTGCTG 605
Db 17 GGCCACCACTGCTG 1
RESULT 807
AX262673
LOCUS AX262673 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 64 from Patent WO0173002.
ACCESSION AX262673
VERSION AX262673.1 GI:16511472
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 64 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES Location/Qualifiers
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 589 GGACATCACCACTGCTG 605
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RESULT 808
AX262856/7c
LOCUS AX262856/7c 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 247 from Patent WO0173002.
ACCESSION AX262856
VERSION AX262856.1 GI:16511655
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 247 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 921 CGCGGAGCGCGCGAG 937
Db 17 CGCGGTGCCGGCGGG 1
RESULT 809
AX262857
LOCUS AX262857 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 248 from Patent WO0173002.
ACCESSION AX262857
VERSION AX262857.1 GI:16511656
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 248 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES Location/Qualifiers
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 921 CGCGGAGCGCGCGAG 937
Db 1 CGCGGTGCCGGCGGG 17
RESULT 810
AX263984
LOCUS AX263984 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 1375 from Patent WO0173002.
ACCESSION AX263984
VERSION AX263984.1 GI:16512783
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM
REFERENCE
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 1375 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 145 GGCGGAGATGCTGCTGC 161
Db 1 GGCGGAGCTGCTGCTGC 17

RESULT 811
AX263985/c
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DEFINITION Sequence 1376 from Patent WO0173002.
ACCESSION AX263985
VERSION AX263985.1 GI:16512784
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 1376 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 145 GGCGGAGATGCTGCTGC 161
Db 17 GGCGGAGCTGCTGCTGC 1

RESULT 812
AX266223
LOCUS AX266223 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3614 from Patent WO0173002.
ACCESSION AX266223
VERSION AX266223.1 GI:16515022
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 3614 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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BASE COUNT 0 a 8 c 5 g 4 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1128 GGCTCTGCGCCGCGCT 1144
Db 1 GCCTCTGCGCCGCTGCT 17

RESULT 813
AX266304
LOCUS AX266304 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3695 from Patent WO0173002.
ACCESSION AX266304
VERSION AX266304.1 GI:16515103
KEYWORDS
SOURCE Homo sapiens (human)

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AX266224/c
LOCUS AX266224 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3615 from Patent WO0173002.
ACCESSION AX266224
VERSION AX266224.1 GI:16515023
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 3615 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1128 GGCTCTGCGCCGCGCT 1144
Db 17 GCCTCTGCGCCGCTGCT 1

RESULT 814
AX266303/c
LOCUS AX266303 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3694 from Patent WO0173002.
ACCESSION AX266303
VERSION AX266303.1 GI:16515102
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Kmiec,E.B., Gamper,H.B. and Rice,M.C.
TITLE Targeted chromosomal genomic alterations with modified single
JOURNAL stranded oligonucleotides
PATENT: WO 0173002-A 3694 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 574 CGAGGCGCGCGCAGTGG 590
Db 17 CGAAGCGCGAGAGGGG 1

RESULT 815
AX266304
LOCUS AX266304 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3695 from Patent WO0173002.
ACCESSION AX266304
VERSION AX266304.1 GI:16515103
KEYWORDS
SOURCE Homo sapiens (human)

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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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REFERENCE
1 Kniec,E.B., Gampel,H.B. and Rice,M.C.
  Targeted chromosomal genomic alterations with modified single
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JOURNAL Patent: WO 0173002-A 3695 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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QY 574 CGAGGGCCGGCGAGTGG 590
Db 1 CGAGGGCCGGCGAGGG 17

RESULT 816
AX266571
LOCUS AX266571 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3962 from Patent WO0173002.
ACCESSION AX266571
VERSION AX266571.1 GI:16515370
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Kniec,E.B., Gampel,H.B. and Rice,M.C.
  Targeted chromosomal genomic alterations with modified single
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JOURNAL Patent: WO 0173002-A 3962 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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QY 838 CGAGGGCCGGCGTCTCT 854
Db 1 CCTGGCGCTGCTGCTGT 17

RESULT 817
AX266572/c
LOCUS AX266572 17 bp DNA linear PAT 26-OCT-2001
DEFINITION Sequence 3963 from Patent WO0173002.
ACCESSION AX266572
VERSION AX266572.1 GI:16515371
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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REFERENCE
1 Kniec,E.B., Gampel,H.B. and Rice,M.C.
  Targeted chromosomal genomic alterations with modified single
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JOURNAL Patent: WO 0173002-A 3963 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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    Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 838 CGAGGGCCGGCGTCTCT 854
Db 17 CCTGGCGCTGCTGCTGT 1

RESULT 818
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LOCUS AX272790 17 bp mRNA linear PAT 29-OCT-2001
DEFINITION Sequence 359 from Patent WO0162911.
ACCESSION AX272790
VERSION AX272790.1 GI:16545527
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Hamblin,P.A. and
  Ellis,J.H.
  Method and reagent for the inhibition of grid
  Patent: WO 0162911-A 359 30-AUG-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
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    Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGCGGA 167
Db 17 GGTGCTGCTGCAGGGGA 1

RESULT 819
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LOCUS AX273293 17 bp mRNA linear PAT 29-OCT-2001
DEFINITION Sequence 862 from Patent WO0162911.
ACCESSION AX273293
VERSION AX273293.1 GI:16546030
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Hamblin,P.A. and
  Ellis,J.H.
  Method and reagent for the inhibition of grid
  Patent: WO 0162911-A 862 30-AUG-2001;
  RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 1 GTGGGCGGGCGCTGT 17

RESULT 820
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LOCUS      AX273310      17 bp      mRNA      linear      PAT 29-OCT-2001
DEFINITION Sequence 879 from Patent WO0162911.
ACCESSION  AX273310
VERSION     AX273310.1 GI:16546047
KEYWORDS    Homo sapiens (human)
SOURCE      Homo sapiens
ORGANISM    Homo sapiens
REFERENCE   1
AUTHORS     Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Hamblin,P.A. and Ellis,J.H.
TITLE       Method and reagent for the inhibition of grid
JOURNAL     Patent: WO 0162911-A 879 30-AUG-2001;
RIBOZYME    PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 789 AGCTGGTGAGGACCTG 805
Db 1 AGGTGGTGAGGCTCTG 17

RESULT 821
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LOCUS      AX284039      17 bp      DNA      linear      PAT 20-NOV-2001
DEFINITION Sequence 4 from Patent WO0179487.
ACCESSION  AX284039
VERSION     AX284039.1 GI:17044749
KEYWORDS    synthetic construct
SOURCE      synthetic construct
ORGANISM    synthetic construct
REFERENCE   1
AUTHORS     Degitz,K.K. and Besch,R.
TITLE       Polydesoxyribonucleotides for inhibiting the expression of the icam-1-gene
JOURNAL     Patent: WO 0179487-A 4 25-OCT-2001;
            Degitz, Klaus Karl (DE); Besch, Robert (DE)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1069 CAGCCGCGTGGCCCGG 1085
Db 1 CCGCGCGCTACGCCCGG 17

RESULT 823
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LOCUS      AX325918      17 bp      DNA      linear      PAT 02-SEP-2002
DEFINITION Sequence 2056 from Patent WO0192512.
ACCESSION  AX325918
VERSION     AX325918.1 GI:18096678
KEYWORDS    Zea mays
SOURCE      Zea mays
ORGANISM    Zea mays
REFERENCE   1
AUTHORS     Kmiec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
TITLE       Targeted chromosomal genomic alterations in plants using modified single stranded oligonucleotides
JOURNAL     Patent: WO 0192512-A 2056 06-DEC-2001;
            UNIVERSITY OF DELAWARE (US)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1069 CAGCCGCGTGGCCCGG 1085
Db 1 CCGCGCGCTACGCCCGG 17

RESULT 823
AX325918
LOCUS      AX325918      17 bp      DNA      linear      PAT 02-SEP-2002
DEFINITION Sequence 2056 from Patent WO0192512.
ACCESSION  AX325918
VERSION     AX325918.1 GI:18096678
KEYWORDS    Zea mays
SOURCE      Zea mays
ORGANISM    Zea mays
REFERENCE   1
AUTHORS     Kmiec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
TITLE       Targeted chromosomal genomic alterations in plants using modified single stranded oligonucleotides
JOURNAL     Patent: WO 0192512-A 2056 06-DEC-2001;
            UNIVERSITY OF DELAWARE (US)
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Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1069 CAGCCGCGTGGCCCGG 1085
Db 1 CCGCGCGCTACGCCCGG 17

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RESULT 824
AX326181/C
LOCUS AX326181 17 bp DNA linear PAT 02-SEP-2002
DEFINITION Sequence 2319 from Patent WO0192512.
ACCESSION AX326181
VERSION AX326181.1 GI:18096943
KEYWORDS Helianthus annuus (common sunflower)
SOURCE Helianthus annuus
ORGANISM Helianthus annuus
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Asteridales; campanulids; Asterales; Asteraceae; Asteroideae;
Heliantheae; Helianthus.
REFERENCE 1
AUTHORS Kmiec, E.B., Gamber, H.B., Rice, M.C. and Kim, J.
TITLE Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL Patent: WO 0192512-A 2319 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
FEATURES
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/mol_type="genomic DNA"
/db_xref="taxon:4232"
BASE COUNT 6 a 3 c 3 g 5 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 335 TATGAGGGAGATCTC 351
Db 17 TATGAGGGCTATATCTC 1
RESULT 825
AX326182
LOCUS AX326182 17 bp DNA linear PAT 02-SEP-2002
DEFINITION Sequence 2320 from Patent WO0192512.
ACCESSION AX326182
VERSION AX326182.1 GI:18096944
KEYWORDS Helianthus annuus (common sunflower)
ORGANISM Helianthus annuus
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Asteridales; campanulids; Asterales; Asteraceae; Asteroideae;
Heliantheae; Helianthus.
REFERENCE 1
AUTHORS Kmiec, E.B., Gamber, H.B., Rice, M.C. and Kim, J.
TITLE Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
JOURNAL Patent: WO 0192512-A 2320 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
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/mol_type="genomic DNA"
/db_xref="taxon:4232"
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 335 TATGAGGGAGATCTC 351
Db 1 TATGAGGGCTATATCTC 17
RESULT 826
AX406535
LOCUS AX406535 17 bp DNA linear PAT 14-JUN-2002
DEFINITION Sequence 671 from Patent WO0188124.
ACCESSION AX406535
VERSION AX406535.1 GI:21439550
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Kwak, L.W. and Biragyn, A.
TITLE Defensin-antigen fusion proteins
JOURNAL Patent: WO 0226886-A 12 21-MAR-2002;
The Secretary, Dept. of Health and Human services, NIH (US)
FEATURES
source
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
/note="Description of Artificial Sequence; Note =
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BASE COUNT 0 a 0 c 13 g 0 t 4 others
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 7.1e+02;
Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 1547 GGGGCCGGGGGAGGGGC 1563
Db 1 GGGGGGGGGGGGGGGGS 17
RESULT 827
AX421748
LOCUS AX421748 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 84 from Patent WO0188124.
ACCESSION AX421748
VERSION AX421748.1 GI:21525130
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and
Randi, A.M.
TITLE Method and reagent for the inhibition of erg
JOURNAL Patent: WO 0188124-A 84 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
FEATURES
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BASE COUNT 4 a 9 c 3 g 1 t
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 382 CCCCAATTACAAACCCCG 398
Db 1 CCCAGCTACAAACCCCG 17
RESULT 828
AX422335
LOCUS AX422335 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION Sequence 671 from Patent WO0188124.
ACCESSION AX422335
VERSION AX422335.1 GI:21525717
KEYWORDS Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

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Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS
Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 671 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="mRNA"
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BASE COUNT
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0.8%; Score 12.2; DB 1; Length 17;
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 381 CCCCCAATTACACCC 397
Db 1 CCCCAGTACACGCC 17
RESULT 829
AX422336
LOCUS
AX422336 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION
Sequence 672 from Patent WO0188124.
ACCESSION
AX422336
VERSION
AX422336.1 GI:21525718
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 672 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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/mol_type="mRNA"
/db_xref="taxon:9606"
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BASE COUNT
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Query Match
0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 384 CCAATTACACCCCGAC 400
Db 1 CCAGTACACCCCGAC 17
RESULT 830
AX422818/c
LOCUS
AX422818 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION
Sequence 1154 from Patent WO0188124.
ACCESSION
AX422818
VERSION
AX422818.1 GI:21526200
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 1154 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)

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Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS
Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 671 22-NOV-2001; GLAXO GROUP LIMITED (GB)
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES
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/mol_type="mRNA"
/db_xref="taxon:9606"
2 t
BASE COUNT
0 a 8 c 7 g 2 t
Query Match
0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1174 CGCGGGGGCTACGGCG 1190
Db 17 CGCGGGGGGGACACGC 1
RESULT 831
AX423030/c
LOCUS
AX423030 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION
Sequence 1366 from Patent WO0188124.
ACCESSION
AX423030
VERSION
AX423030.1 GI:21526412
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 1366 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
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/db_xref="taxon:9606"
6 g 3 t
BASE COUNT
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Query Match
0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1189 GCGGCTCACGGCCAGG 1205
Db 17 GCGGCGACGCCAAGG 1
RESULT 832
AX423222
LOCUS
AX423222 17 bp mRNA linear PAT 18-JUN-2002
DEFINITION
Sequence 1558 from Patent WO0188124.
ACCESSION
AX423222
VERSION
AX423222.1 GI:21526604
KEYWORDS
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., McLaughlin,F.G. and
Randi,A.M.
TITLE
Method and reagent for the inhibition of erg
JOURNAL
Patent: WO 0188124-A 1558 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
FEATURES
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7 c 9 g 0 t
BASE COUNT
1 a 7 c 9 g 0 t

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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1342 CGCGGGGACAGCGGC 1358
 Db 1 CGCGGGGACAGCGGC 17

RESULT 833
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 LOCUS AX423276 17 bp mRNA linear PAT 18-JUN-2002
 DEFINITION Sequence 1612 from Patent WO0188124.
 ACCESSION AX423276
 VERSION AX423276.1 GI:21526658
 KEYWORDS Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and
 Randi, A.M.
 TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1612 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
 FEATURES Location/Qualifiers
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 385 CAATTACACCCCGACA 401
 Db 1 CAGTACACCCCGACA 17

RESULT 834
 AX423546/c
 LOCUS AX423546 17 bp mRNA linear PAT 18-JUN-2002
 DEFINITION Sequence 1882 from Patent WO0188124.
 ACCESSION AX423546
 VERSION AX423546.1 GI:21526928
 KEYWORDS Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., McLaughlin, F.G. and
 Randi, A.M.
 TITLE Method and reagent for the inhibition of erg
 JOURNAL Patent: WO 0188124-A 1882 22-NOV-2001;
 RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
 FEATURES Location/Qualifiers
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1391 GCCCTAACCGCTCCAGG 1407
 Db 17 GCCGTGACCGCTCCAGG 1

RESULT 835
 AX474905

LOCUS AX474905 17 bp DNA linear PAT 12-AUG-2002
 DEFINITION Sequence 126 from Patent WO0224750.
 ACCESSION AX474905
 VERSION AX474905.1 GI:22214190
 KEYWORDS Homo sapiens (human)
 SOURCE Homo sapiens
 ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Zhang, J.

TITLE Human kidney tumor overexpressed membrane protein 1

JOURNAL Patent: WO 0224750-A 126 28-MAR-2002;

AEOMICA, INC. (US)

FEATURES Location/Qualifiers

source 1..17

/organism="Homo sapiens"

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/db_xref="taxon:9606"

BASE COUNT 5 a 5 c 5 g 2 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 7.1e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 543 ATGGCCACTCAGAG 559

Db 1 ATGGCCACTCAGAG 17

RESULT 836
 AX474906

LOCUS AX474906 17 bp DNA linear PAT 12-AUG-2002
 DEFINITION Sequence 127 from Patent WO0224750.
 ACCESSION AX474906
 VERSION AX474906.1 GI:22214191

KEYWORDS Homo sapiens (human)

SOURCE Homo sapiens

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Zhang, J.

TITLE Human kidney tumor overexpressed membrane protein 1

JOURNAL Patent: WO 0224750-A 127 28-MAR-2002;

AEOMICA, INC. (US)

FEATURES Location/Qualifiers

source 1..17

/organism="Homo sapiens"

/mol_type="genomic DNA"

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BASE COUNT 4 a 5 c 6 g 2 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 7.1e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 544 TGGCCACTCAGAG 560

Db 1 TGGCCACTCAGAG 17

RESULT 837
 AX498859

LOCUS AX498859 17 bp DNA linear PAT 27-SEP-2002
 DEFINITION Sequence 166 from Patent BP1229046.
 ACCESSION AX498859
 VERSION AX498859.1 GI:23381152

KEYWORDS

FEATURES	Location/Qualifiers
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Query Match	0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity	82.4%; Pred. No. 7.1e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	942 TGCTGCTCACGCCGCGC 958
Db	1 TGATGCTGACGCCGCG 17
RESULT 840	
AX499231	
LOCUS	AX499231 17 bp DNA linear PAT 27-SEP-2002
DEFINITION	Sequence 538 from Patent EP1229046.
ACCESSION	AX499231
VERSION	AX499231.1 GI:23381524
KEYWORDS	
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	Zhan,J.
TITLE	Human testis expressed patched like protein
JOURNAL	Patent: EP 1229046-A 538 07-AUG-2002;
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/db_xref="taxon:9606"	
BASE COUNT	3 a 6 c 6 g 2 t
Query Match	0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity	82.4%; Pred. No. 7.1e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY	943 GCTGCTCACGCCGCGC 959
Db	1 GATGCTGACGCCGCGC 17
RESULT 841	
AX499490/c	
LOCUS	AX499490 17 bp DNA linear PAT 27-SEP-2002
DEFINITION	Sequence 797 from Patent EP1229046.
ACCESSION	AX499490
VERSION	AX499490.1 GI:23381783
KEYWORDS	
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	Zhan,J.
TITLE	Human testis expressed patched like protein
JOURNAL	Patent: EP 1229046-A 797 07-AUG-2002;
FEATURES	Location/Qualifiers
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/mol_type="genomic DNA"	
/db_xref="taxon:9606"	
BASE COUNT	3 a 4 c 9 g 1 t
Query Match	0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity	82.4%; Pred. No. 7.1e+02;
Matches	14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 873 TCCTGGACCGGACGAC 889
 Db 17 TCCTGGACCGGCGGTC 1

RESULT 842
 AX499660
 LOCUS AX499660 17 bp DNA linear PAT 27-SEP-2002
 DEFINITION Sequence 967 from Patent EP1229046.
 ACCESSION AX499660
 VERSION AX499660.1 GI:23381953
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Zhan,J.
 TITLE Human testis expressed patched like protein
 JOURNAL Patent: EP 1229046-A 967 07-AUG-2002;
 Aeomica, Inc. (US)
 FEATURES Location/Qualifiers
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 /mol_type="genomic DNA"
 /db_xref="taxon:9606"

BASE COUNT 3 a 9 c 4 g 1 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 7.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1434 CCACCGCGGCATCCAC 1450
 Db 1 CCACCGCAGGCATCCCC 17

RESULT 843
 AX499661
 LOCUS AX499661 17 bp DNA linear PAT 27-SEP-2002
 DEFINITION Sequence 968 from Patent EP1229046.
 ACCESSION AX499661
 VERSION AX499661.1 GI:23381954
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Zhan,J.
 TITLE Human testis expressed patched like protein
 JOURNAL Patent: EP 1229046-A 968 07-AUG-2002;
 Aeomica, Inc. (US)
 FEATURES Location/Qualifiers
 source
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 /organism="Homo sapiens"
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 /db_xref="taxon:9606"

BASE COUNT 3 a 8 c 4 g 2 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 7.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1435 CACCGCGGCATCCACT 1451
 Db 1 CACGCGCAGGCATCCCT 17

RESULT 844
 AX527194

LOCUS AX527194 17 bp DNA linear PAT 21-NOV-2002
 DEFINITION Sequence 224 from Patent WO0226818.
 ACCESSION AX527194
 VERSION AX527194.1 GI:25171809
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Gu,Y. and Corrigan,A.
 TITLE Human nedg-1
 JOURNAL Patent: WO 0226818-A 224 04-APR-2002;
 Aeomica, Inc. (US)
 FEATURES Location/Qualifiers
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 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"

BASE COUNT 8 a 0 c 3 g 6 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 7.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 406 ATTTAAGGATGAAGAA 422
 Db 1 ATTTAAGAATGTTGAA 17

RESULT 845
 AX531219
 LOCUS AX531219 17 bp DNA linear PAT 22-NOV-2002
 DEFINITION Sequence 728 from Patent EP1239051.
 ACCESSION AX531219
 VERSION AX531219.1 GI:25254229
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Shannon,M.
 TITLE Human posh-like protein 1
 JOURNAL Patent: EP 1239051-A 728 11-SEP-2002;
 Aeomica, Inc. (US)
 FEATURES Location/Qualifiers
 source
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 /mol_type="genomic DNA"
 /db_xref="taxon:9606"

BASE COUNT 5 a 2 c 5 g 5 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 7.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1209 CCATTCTCATCAACCGG 1225
 Db 17 CAATTCTCATCAAGCTG 1

RESULT 846
 AX531299
 LOCUS AX531299 17 bp DNA linear PAT 22-NOV-2002
 DEFINITION Sequence 808 from Patent EP1239051.
 ACCESSION AX531299
 VERSION AX531299.1 GI:25254384
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.

<hr/>					
REFERENCE					
AUTHORS	Shannon,M.				
TITLE	Human posh-like protein 1				
JOURNAL	Patent: EP 1239051-A 808 11-SEP-2002;				
	Aeomica, Inc. (US)				
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	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
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Query Match	0.8%; Score 12.2; DB 1; Length 17;				
Best Local Similarity	82.4%; Pred. No. 7.1e+02;				
Matches	14;	Conservative	0;	Mismatches	3; Indels 0; Gaps 0;
QY 1341 GCGGCGGGACAGCGGC 1357					
Db	17	GCGGCTGGGCGAGCTGC	1		
RESULT 847					
LOCUS	AX532022/c				
DEFINITION	Sequence 1531 from Patent EP1239051.				
ACCESSION	AX532022				
VERSION	AX532022.1 GI:25255809				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE					
AUTHORS	Shannon,M.				
TITLE	Human posh-like protein 1				
JOURNAL	Patent: EP 1239051-A 1531 11-SEP-2002;				
	Aeomica, Inc. (US)				
FEATURES					
source	1..17				
	/organism="Homo sapiens"				
	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
BASE COUNT	3 a	6 c	7 g	1 t	
Query Match	0.8%; Score 12.2; DB 1; Length 17;				
Best Local Similarity	82.4%; Pred. No. 7.1e+02;				
Matches	14;	Conservative	0;	Mismatches	3; Indels 0; Gaps 0;
QY 1411 TGCCGAGCTCGCGGTG 1427					
Db	17	TGCCGACTCGCCCGGTG	1		
RESULT 848					
LOCUS	AX532235				
DEFINITION	Sequence 1744 from Patent EP1239051.				
ACCESSION	AX532235				
VERSION	AX532235.1 GI:25256257				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE					
AUTHORS	Shannon,M.				
TITLE	Human posh-like protein 1				
JOURNAL	Patent: EP 1239051-A 1744 11-SEP-2002;				
	Aeomica, Inc. (US)				
FEATURES					
source	1..17				
	/organism="Homo sapiens"				
	/mol_type="genomic DNA"				
/db_xref="taxon:9606"					
BASE COUNT	5 a	6 c	6 g	0 t	
Query Match	0.8%; Score 12.2; DB 1; Length 17;				
Best Local Similarity	82.4%; Pred. No. 7.1e+02;				
Matches	14;	Conservative	0;	Mismatches	3; Indels 0; Gaps 0;
QY 1253 GAGGAGCACAGCTGGGC 1269					
Db	1	GAGNAGCAGCGCGGCC	17		
RESULT 849					
LOCUS	AX532237/c				
DEFINITION	Sequence 1746 from Patent EP1239051.				
ACCESSION	AX532237				
VERSION	AX532237.1 GI:25256261				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE					
AUTHORS	Shannon,M.				
TITLE	Human posh-like protein 1				
JOURNAL	Patent: EP 1239051-A 1746 11-SEP-2002;				
	Aeomica, Inc. (US)				
FEATURES					
source	1..17				
	/organism="Homo sapiens"				
	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
BASE COUNT	4 a	7 c	5 g	1 t	
Query Match	0.8%; Score 12.2; DB 1; Length 17;				
Best Local Similarity	82.4%; Pred. No. 7.1e+02;				
Matches	14;	Conservative	0;	Mismatches	3; Indels 0; Gaps 0;
QY 840 AGGGCCGGCTGCTTAC 856					
Db	17	AGGGCCGGCTGTGCTTC	1		
RESULT 850					
LOCUS	AX532413				
DEFINITION	Sequence 1922 from Patent EP1239051.				
ACCESSION	AX532413				
VERSION	AX532413.1 GI:25256601				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE					
AUTHORS	Shannon,M.				
TITLE	Human posh-like protein 1				
JOURNAL	Patent: EP 1239051-A 1922 11-SEP-2002;				
	Aeomica, Inc. (US)				
FEATURES					
source	1..17				
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	/mol_type="genomic DNA"				
	/db_xref="taxon:9606"				
BASE COUNT	4 a	7 c	5 g	1 t	
Query Match	0.8%; Score 12.2; DB 1; Length 17;				
Best Local Similarity	82.4%; Pred. No. 7.1e+02;				
Matches	14;	Conservative	0;	Mismatches	3; Indels 0; Gaps 0;
QY 990 CGGCCACCGGGAGCCC 1006					
Db	990	CGGCCACCGGGAGCCC	1006		
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Db      1 CAGCCACAGGGGATCCC 17

RESULT 851
AX544648/c
LOCUS      17 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 161 from Patent EP1243660.
ACCESSION  AX544648
VERSION     AX544648.1 GI:25809859
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS     Zhang, J., Gu, Y. and Nguyen, C.T.
TITLE       Human udp-galnac:polypeptide n-acetylglalatosaminyltransferase 10
JOURNAL     Patent: EP 1243660-A 161 25-SEP-2002;
            Aecomica, Inc. (US)

FEATURES
            Location/Qualifiers
            source
            1..17
            /organism="Homo sapiens"
            /mol_type="genomic DNA"
            /db_xref="taxon:9606"
BASE COUNT      2 a      5 c      9 g      1 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1138 CGCGCTGTGCACAGCG 1154
Db      17 CTCGCTGCGCACGCG 1

RESULT 852
AX545028
LOCUS      17 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 541 from Patent EP1243660.
ACCESSION  AX545028
VERSION     AX545028.1 GI:25810239
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS     Zhang, J., Gu, Y. and Nguyen, C.T.
TITLE       Human udp-galnac:polypeptide n-acetylglalatosaminyltransferase 10
JOURNAL     Patent: EP 1243660-A 541 25-SEP-2002;
            Aecomica, Inc. (US)

FEATURES
            Location/Qualifiers
            source
            1..17
            /organism="Homo sapiens"
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            /db_xref="taxon:9606"
BASE COUNT      4 a      4 c      5 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      903 TCCTTCTAGGTGATCGAG 919
Db      1 TCATCTTCTGTGACGAG 17

RESULT 853
AX545089
LOCUS      17 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 602 from Patent EP1243660.
ACCESSION  AX545089
VERSION     AX545089.1 GI:25810300
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS     Zhang, J., Gu, Y. and Nguyen, C.T.
TITLE       Human udp-galnac:polypeptide n-acetylglalatosaminyltransferase 10
JOURNAL     Patent: EP 1243660-A 701 25-SEP-2002;
            Aecomica, Inc. (US)

FEATURES
            Location/Qualifiers
            source
            1..17
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            /mol_type="genomic DNA"
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BASE COUNT      4 a      5 c      6 g      2 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1118 GGGGACCGCGGCTCCT 1134
Db      17 GGGGACCTTCAGCTCCT 1

RESULT 855
AX545188
LOCUS      17 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 701 from Patent EP1243660.
ACCESSION  AX545188
VERSION     AX545188.1 GI:25810399
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS     Zhang, J., Gu, Y. and Nguyen, C.T.
TITLE       Human udp-galnac:polypeptide n-acetylglalatosaminyltransferase 10
JOURNAL     Patent: EP 1243660-A 701 25-SEP-2002;
            Aecomica, Inc. (US)

FEATURES
            Location/Qualifiers
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BASE COUNT      4 a      5 c      6 g      2 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1118 GGGGACCGCGGCTCCT 1134
Db      17 GGGGACCTTCAGCTCCT 1

RESULT 854
AX545145/c
LOCUS      17 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 658 from Patent EP1243660.
ACCESSION  AX545145
VERSION     AX545145.1 GI:25810356
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS     Zhang, J., Gu, Y. and Nguyen, C.T.
TITLE       Human udp-galnac:polypeptide n-acetylglalatosaminyltransferase 10
JOURNAL     Patent: EP 1243660-A 658 25-SEP-2002;
            Aecomica, Inc. (US)

FEATURES
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            /db_xref="taxon:9606"
BASE COUNT      4 a      5 c      6 g      2 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      72 CACACGGCACACACCCGCG 88
Db      1 CACGCCACACACCTGCG 17

RESULT 854
AX545145/c
LOCUS      17 bp      DNA      linear      PAT 26-NOV-2002
DEFINITION Sequence 658 from Patent EP1243660.
ACCESSION  AX545145
VERSION     AX545145.1 GI:25810356
KEYWORDS
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
AUTHORS     Zhang, J., Gu, Y. and Nguyen, C.T.
TITLE       Human udp-galnac:polypeptide n-acetylglalatosaminyltransferase 10
JOURNAL     Patent: EP 1243660-A 658 25-SEP-2002;
            Aecomica, Inc. (US)

FEATURES
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            /db_xref="taxon:9606"
BASE COUNT      4 a      5 c      6 g      2 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      72 CACACGGCACACACCCGCG 88
Db      1 CACGCCACACACCTGCG 17

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  Best Local Similarity
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  Matches
    14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
  QY
    784 CACCAAGCTGCTGAAGG 800
    ||| ||||| |||||
  Db
    1 CCCCAGGCTGCTGAAGG 17

RESULT 856
LOCUS
  AX578339
  Sequence 177 from Patent WO0211674.
  DEFINITION
    AX578339
  ACCESSION
    AX578339.1 GI:27647541
  VERSION
    Homo sapiens (human)
  KEYWORDS
    Homo sapiens
  ORGANISM
    Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
  Thompson, J., McSwiggen, J., McKenzie, T., Ayers, D., Szymkowski, D.E.
  and Grupe, A.
  Method and reagent for the inhibition of calcium activated chloride
  channel-1 (clca-1)
  TITLE
    Patent: WO 0211674-A 177 14-FEB-2002;
  JOURNAL
    RIBOZYME PHARMACEUTICALS, INC. (US); Syntex (U.S.A.) LLC (US);
    Thompson, James (US)
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      /db_xref="taxon:9606"
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    Best Local Similarity
      82.4%; Pred. No. 7.1e+02;
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      14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
    QY
      1459 GCAGCTGCTCTACCAA 1475
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    Db
      1 GCAGCTGTTACACCAA 17

RESULT 857
LOCUS
  AX578995
  Sequence 833 from Patent WO0211674.
  DEFINITION
    AX578995
  ACCESSION
    AX578995.1 GI:27648197
  VERSION
    Homo sapiens (human)
  KEYWORDS
    Homo sapiens
  ORGANISM
    Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
  Thompson, J., McSwiggen, J., McKenzie, T., Ayers, D., Szymkowski, D.E.
  and Grupe, A.
  Method and reagent for the inhibition of calcium activated chloride
  channel-1 (clca-1)
  TITLE
    Patent: WO 0211674-A 833 14-FEB-2002;
  JOURNAL
    RIBOZYME PHARMACEUTICALS, INC. (US); Syntex (U.S.A.) LLC (US);
    Thompson, James (US)
  FEATURES
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      /mol_type="mRNA"
      /db_xref="taxon:9606"
    17 bp mRNA linear PAT 10-JAN-2003
    Query Match
      0.8%; Score 12.2; DB 1; Length 17;
    Best Local Similarity
      82.4%; Pred. No. 7.1e+02;
    Matches
      14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
    QY
      731 AAATCGGAGGCTGCTT 747
      ||| ||||| |||||
    Db
      17 AATTGGGAGGCTCCTT 1

RESULT 858
LOCUS
  AX579172/c
  Sequence 1010 from Patent WO0211674.
  DEFINITION
    AX579172
  ACCESSION
    AX579172.1 GI:27648374
  VERSION
    Homo sapiens (human)
  KEYWORDS
    Homo sapiens
  ORGANISM
    Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
  Thompson, J., McSwiggen, J., McKenzie, T., Ayers, D., Szymkowski, D.E.
  and Grupe, A.
  Method and reagent for the inhibition of calcium activated chloride
  channel-1 (clca-1)
  TITLE
    Patent: WO 0211674-A 1010 14-FEB-2002;
  JOURNAL
    RIBOZYME PHARMACEUTICALS, INC. (US); Syntex (U.S.A.) LLC (US);
    Thompson, James (US)
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      82.4%; Pred. No. 7.1e+02;
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    QY
      731 AAATCGGAGGCTGCTT 747
      ||| ||||| |||||
    Db
      17 AATTGGGAGGCTCCTT 1

RESULT 859
LOCUS
  AX579334
  Sequence 1172 from Patent WO0211674.
  DEFINITION
    AX579334
  ACCESSION
    AX579334.1 GI:27648536
  VERSION
    Homo sapiens (human)
  KEYWORDS
    Homo sapiens
  ORGANISM
    Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
  Thompson, J., McSwiggen, J., McKenzie, T., Ayers, D., Szymkowski, D.E.
  and Grupe, A.
  Method and reagent for the inhibition of calcium activated chloride
  channel-1 (clca-1)
  TITLE
    Patent: WO 0211674-A 1172 14-FEB-2002;
  JOURNAL
    RIBOZYME PHARMACEUTICALS, INC. (US); Syntex (U.S.A.) LLC (US);
    Thompson, James (US)
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    source
      /organism="Homo sapiens"
      /mol_type="mRNA"
      /db_xref="taxon:9606"
    17 bp mRNA linear PAT 10-JAN-2003
    Query Match
      0.8%; Score 12.2; DB 1; Length 17;
    Best Local Similarity
      82.4%; Pred. No. 7.1e+02;
    Matches
      14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
    QY
      731 AAATCGGAGGCTGCTT 747
      ||| ||||| |||||
    Db
      17 AATTGGGAGGCTCCTT 1

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BASE COUNT      1 a      7 c      3 g      6 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 169 ATGCTGCTGCTAGTCC 185
Db 1 ACGTCTGCTCTGCTCC 17

RESULT 860
AX615281
LOCUS AX615281 17 bp DNA linear PAT 20-FEB-2003
DEFINITION Sequence 88 from Patent EP1262488.
ACCESSION AX615281
VERSION AX615281.1 GI:28446180
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Gu, Y. and Nguyen, C.T.
TITLE Human lcl-domain containing protein
JOURNAL Patent: EP 1262488-A 88 04-DEC-2002;
Aeomica, Inc. (US)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      4 c      1 g      10 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 409 TAAGGATGAGAGAAACA 425
Db 1 TAAGATGAGCAAAAA 1

RESULT 863
AX649376
LOCUS AX649376 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 1216 from Patent EP1273660.
ACCESSION AX649376
VERSION AX649376.1 GI:29152194
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Gu, Y.
TITLE Human sodium-hydrogen-exchanger like protein 1
JOURNAL Patent: EP 1273660-A 1216 08-JAN-2003;
Aeomica, Inc. (US)
FEATURES
source
1..17
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT      2 a      4 c      4 g      7 t

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 132 TCATCAGTTCCTGGGC 148
Db 1 TCTTCTGTATCATGGGC 17

RESULT 864
AX649524
LOCUS AX649524 17 bp DNA linear PAT 22-MAR-2003
DEFINITION Sequence 1364 from Patent EP1273660.
ACCESSION AX649524
VERSION AX649524.1 GI:29152342
KEYWORDS

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SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Gu.Y.
 TITLE Human sodium-hydrogen exchanger like protein 1
 JOURNAL Patent: EP 1273660-A 1364 08-JAN-2003;
 Aeomica, Inc. (US)

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DB AX671955 17 bp DNA linear PAT 27-MAR-2003
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 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Telerman, A., Anson, R. and Tuijinder, M.
 TITLE Sequences involved in phenomena of tumour suppression, tumour
 reversion, apoptosis and/or resistance to viruses and their use as
 medicines
 JOURNAL Patent: WO 03004526-A 400 16-JAN-2003;
 Molecular Engines Laboratories (FR)

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DB AX672132 17 bp DNA linear PAT 27-MAR-2003
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 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
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 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Telerman, A., Anson, R. and Tuijinder, M.
 TITLE Sequences involved in phenomena of tumour suppression, tumour

reversion, apoptosis and/or resistance to viruses and their use as
 medicines
 JOURNAL Patent: WO 03004526-A 577 16-JAN-2003;
 Molecular Engines Laboratories (FR)

FEATURES source
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DB AX672333 17 bp DNA linear PAT 27-MAR-2003
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 LOCUS Sequence 778 from Patent WO03004526.
 DEFINITION AX672333
 ACCESSION AX672333
 VERSION AX672333.1 GI:29330681
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Telerman, A., Anson, R. and Tuijinder, M.
 TITLE Sequences involved in phenomena of tumour suppression, tumour
 reversion, apoptosis and/or resistance to viruses and their use as
 medicines
 JOURNAL Patent: WO 03004526-A 778 16-JAN-2003;
 Molecular Engines Laboratories (FR)

FEATURES source
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DB AX673341 17 bp DNA linear PAT 27-MAR-2003
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 LOCUS Sequence 1786 from Patent WO03004526.
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 ACCESSION AX673341
 VERSION AX673341.1 GI:29331689
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 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Telerman, A., Anson, R. and Tuijinder, M.
 TITLE Sequences involved in phenomena of tumour suppression, tumour
 reversion, apoptosis and/or resistance to viruses and their use as
 medicines
 JOURNAL Patent: WO 03004526-A 1786 16-JAN-2003;
 Molecular Engines Laboratories (FR)

FEATURES source
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 Location/Qualifiers

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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
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RESULT 869
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LOCUS
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ACCESSION AX674701
VERSION AX674701.1 GI:29333049
KEYWORDS
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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
medicines
JOURNAL Patent: WO 03004526-A 3146 16-JAN-2003;
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Db 1 GATCTGGACAGCGTGG 17

RESULT 870
AX687510/c 17 bp DNA linear PAT 31-MAR-2003
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DEFINITION Sequence 242 from Patent EP1281758.
ACCESSION AX687510
VERSION AX687510.1 GI:29410204
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
JOURNAL Patent: EP 1281758-A 242 05-FEB-2003;
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QY 865 CCTCATTCTCTGGACC 881
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QY 557 GAGGAGTCTCTGCACTA 573
Db 17 GAAAGTCTCTGGACTA 1

RESULT 871
AX687650 17 bp DNA linear PAT 31-MAR-2003
LOCUS
DEFINITION Sequence 382 from Patent EP1281758.
ACCESSION AX687650
VERSION AX687650.1 GI:29410346
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
JOURNAL Patent: EP 1281758-A 382 05-FEB-2003;
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RESULT 872
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ACCESSION AX687672
VERSION AX687672.1 GI:29410368
KEYWORDS
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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
JOURNAL Patent: EP 1281758-A 404 05-FEB-2003;
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RESULT 873
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ACCESSION AX687673
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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 405 05-FEB-2003;
Aeomica, Inc. (US)
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DEFINITION Sequence 406 from Patent EP1281758.
ACCESSION AX687674
VERSION AX687674.1 GI:29410370
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 406 05-FEB-2003;
Aeomica, Inc. (US)
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LOCUS AX687675 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 407 from Patent EP1281758.
ACCESSION AX687675

VERSION AX687675.1 GI:29410371
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 407 05-FEB-2003;
Aeomica, Inc. (US)
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DEFINITION Sequence 408 from Patent EP1281758.
ACCESSION AX687676
VERSION AX687676.1 GI:29410372
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 408 05-FEB-2003;
Aeomica, Inc. (US)
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LOCUS AX688006 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 738 from Patent EP1281758.
ACCESSION AX688006
VERSION AX688006.1 GI:29410704
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1

AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 738 05-FEB-2003;
Aeomica, Inc. (US)
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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ACCESSION AX688332
VERSION AX688332.1 GI:29411032
KEYWORDS
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ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1064 05-FEB-2003;
Aeomica, Inc. (US)
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DEFINITION Sequence 1302 from Patent EPI281758.
ACCESSION AX688570
VERSION AX688570.1 GI:29411272
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1302 05-FEB-2003;
Aeomica, Inc. (US)
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LOCUS AX688660 17 bp DNA linear PAT 31-MAR-2003
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ACCESSION AX688660
VERSION AX688660.1 GI:29411362
KEYWORDS
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ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1392 05-FEB-2003;
Aeomica, Inc. (US)
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ACCESSION AX688669
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 1401 05-FEB-2003;
Aeomica, Inc. (US)
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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RESULT 882
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 DEFINITION Sequence 1403 from Patent EP1281758.
 ACCESSION AX688671
 VERSION AX688671.1 GI:29411373
 KEYWORDS Homo sapiens (human)
 SOURCE
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 1403 05-FEB-2003;
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 17 TCTCCCAATGTCGCTG 1

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RESULT 883
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 LOCUS 17 bp DNA linear PAT 31-MAR-2003
 DEFINITION Sequence 1406 from Patent EP1281758.
 ACCESSION AX688674
 VERSION AX688674.1 GI:29411376
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 ORGANISM Homo sapiens
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 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 1406 05-FEB-2003;
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QY 289 GTTATCCCAATGTCG 305
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RESULT 886
 AX690675
 LOCUS 17 bp DNA linear PAT 31-MAR-2003
 DEFINITION Sequence 3407 from Patent EP1281758.
 ACCESSION AX690675
 VERSION AX690675.1 GI:29413556
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RESULT 884
 AX688726/c
 LOCUS 17 bp DNA linear PAT 31-MAR-2003
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 ACCESSION AX688726
 VERSION AX688726.1 GI:29411430
 KEYWORDS Homo sapiens (human)
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 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 1458 05-FEB-2003;
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Db

RESULT 885
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 ACCESSION AX690657
 VERSION AX690657.1 GI:29413538
 KEYWORDS Homo sapiens (human)
 SOURCE
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1
 AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.
 TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
 JOURNAL Patent: EP 1281758-A 3389 05-FEB-2003;
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 /organism="Homo sapiens"
 /mol_type="genomic DNA"
 /db_xref="taxon:9606"

BASE COUNT 2 a 3 c 8 g 4 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;
 Best Local Similarity 82.4%; Pred. No. 7.1e+02;
 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 150 AGATGCTGCTGCTGGCG 166
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Db

RESULT 886
 AX690675
 LOCUS 17 bp DNA linear PAT 31-MAR-2003
 DEFINITION Sequence 3407 from Patent EP1281758.
 ACCESSION AX690675
 VERSION AX690675.1 GI:29413556
 KEYWORDS

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon, M., Gu, Y. and Nguyen, C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 3407 05-FEB-2003;
Aemica, Inc. (US)
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QY 861 ACTTCCTCAGCTTCCTG 877 17 bp DNA linear PAT 31-MAR-2003
Db 1 AGTTCCTGACTATCCTG 17
RESULT 887
LOCUS AX693203 17 bp DNA linear PAT 31-MAR-2003
DEFINITION Sequence 5935 from Patent EP1281758.
ACCESSION AX693203
VERSION AX693203.1 GI:29416167
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Shannon, M., Gu, Y. and Nguyen, C.T.
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
JOURNAL Patent: EP 1281758-A 5935 05-FEB-2003;
Aemica, Inc. (US)
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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 27 GAGCGCGGAGCCGAG 43
Db 1 GAGAGCGCCAGCTGGAG 17
RESULT 888
LOCUS AX711072/c 17 bp RNA linear PAT 11-APR-2003
DEFINITION Sequence 372 from Patent EP1288296.
ACCESSION AX711072
VERSION AX711072.1 GI:29787453
KEYWORDS
SOURCE Herpes simplex virus unknown type
ORGANISM Herpes simplex virus unknown type
Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Alphan herpesvirinae; Simplexvirus.
REFERENCE 1
AUTHORS Draper, K.G., Mcswiggen, J.A., Holecsek, J.J., Dudycz, L.W., Macejak, D.G. and Mamone, J.A.

TITLE Method and reagent for inhibiting HBV viral replication
JOURNAL Patent: EP 1288296-A 372 05-MAR-2003;
RIBOZYME PHARMACEUTICALS, INC. (US)
FEATURES source
Location/Qualifiers
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BASE COUNT 0 a 13 c 3 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1549 GCGCGGGGAGGGGCGC 1565
Db 17 GCGCGGGGAGGGGCGC 1
RESULT 889
LOCUS AX721791 17 bp DNA linear PAT 07-MAY-2003
DEFINITION Sequence 12 from Patent WO03025002.
ACCESSION AX721791
VERSION AX721791.1 GI:30422379
KEYWORDS
SOURCE synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Biragyn, A. and Kwak, L.W.
TITLE Method and compositions of defensin-antigen fusion proteins and chemokine-antigen fusion proteins as vaccines for tumors and viral infection
JOURNAL Patent: WO 03025002-A 12 27-MAR-2003;
THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES (US)
FEATURES source
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
BASE COUNT 0 a 0 c 13 g 0 t 4 others
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 7.1e+02;
Matches 11; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 1547 GCGCGGGGAGGGGCGC 1563
Db 1 GCGGGGGGAGGGGSGS 17
RESULT 890
LOCUS AX723336/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 1023 from Patent WO03025176.
ACCESSION AX723336
VERSION AX723336.1 GI:30423837
KEYWORDS
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1
AUTHORS Telerman, A., Amson, R. and Tuijinder, M.
TITLE Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
JOURNAL Patent: WO 03025176-A 1023 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Location/Qualifiers
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/organism="Mus musculus"

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Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

BASE COUNT      4 a      5 g      3 t
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Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 740 GGCTGCTTCCCGGCTC 756
Db 17 GGATGCTTCCCGAGATC 1

RESULT 891
AX723519/c
LOCUS      17 bp      DNA
DEFINITION Sequence 1206 from Patent WO03025176.
ACCESSION AX723519
VERSION   AX723519.1 GI:30424020
KEYWORDS
SOURCE    Mus musculus (house mouse)
ORGANISM  Mus musculus
REFERENCE 1
AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
TITLE     Sequences involved in phenomena of tumour suppression, tumour
          reversion, apoptosis and/or virus resistance and their use as
          medicines
JOURNAL   Patent: WO 03025176-A 1206 27-MAR-2003;
          Molecular Engines Laboratories (FR)
FEATURES  source
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BASE COUNT      4 a      1 c      6 g      6 t
Query Match
Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 378 TCACCCCAATTACAC 394
Db 17 TCACCCCAATTAGATC 1

RESULT 892
AX724912
LOCUS      17 bp      DNA
DEFINITION Sequence 2599 from Patent WO03025176.
ACCESSION AX724912
VERSION   AX724912.1 GI:30504255
KEYWORDS
SOURCE    Mus musculus (house mouse)
ORGANISM  Mus musculus
REFERENCE 1
AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
TITLE     Sequences involved in phenomena of tumour suppression, tumour
          reversion, apoptosis and/or virus resistance and their use as
          medicines
JOURNAL   Patent: WO 03025176-A 2599 27-MAR-2003;
          Molecular Engines Laboratories (FR)
FEATURES  source
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            /db_xref="taxon:10090"
BASE COUNT      4 a      4 c      7 g      2 t
Query Match
Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;

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Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 913 GATCGAGACGGGAGC 929
Db 1 GATCGAGCTCGGAAGC 17

RESULT 893
AX725292
LOCUS      17 bp      DNA
DEFINITION Sequence 2979 from Patent WO03025176.
ACCESSION AX725292
VERSION   AX725292.1 GI:30504635
KEYWORDS
SOURCE    Mus musculus (house mouse)
ORGANISM  Mus musculus
REFERENCE 1
AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
TITLE     Sequences involved in phenomena of tumour suppression, tumour
          reversion, apoptosis and/or virus resistance and their use as
          medicines
JOURNAL   Patent: WO 03025176-A 2979 27-MAR-2003;
          Molecular Engines Laboratories (FR)
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            /db_xref="taxon:10090"
BASE COUNT      5 a      5 c      6 g      1 t
Query Match
Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1486 GCTCCTGGACGCGAGG 1502
Db 1 GATCCAGGACAGCCAGG 17

RESULT 894
AX725622/c
LOCUS      17 bp      DNA
DEFINITION Sequence 3309 from Patent WO03025176.
ACCESSION AX725622
VERSION   AX725622.1 GI:30504965
KEYWORDS
SOURCE    Mus musculus (house mouse)
ORGANISM  Mus musculus
REFERENCE 1
AUTHORS   Telerman,A., Amson,R. and Tuijnder,M.
TITLE     Sequences involved in phenomena of tumour suppression, tumour
          reversion, apoptosis and/or virus resistance and their use as
          medicines
JOURNAL   Patent: WO 03025176-A 3309 27-MAR-2003;
          Molecular Engines Laboratories (FR)
FEATURES  source
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            /organism="Mus musculus"
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            /db_xref="taxon:10090"
BASE COUNT      2 a      5 c      4 g      6 t
Query Match
Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 342 GGAAGATCTCCAGAAC 358

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Db      17  GGAAGAACTCCAGGATC 1
RESULT 895
AX725658
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 3345 from Patent WO03025176.
ACCESSION AX725658
VERSION    AX725658.1 GI:30505001
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman,A., Anson,R. and Tuijnder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 3345 27-MAR-2003;
            Molecular Engines Laboratories (FR)
FEATURES   source
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BASE COUNT 3 a 5 c 3 g 6 t
            Query Match 0.8%; Score 12.2; DB 1; Length 17;
            Best Local Similarity 82.4%; Pred. No. 7.1e+02;
            Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      469 GAACGCTTGGCCATCT 485
Db      1  GATCTCATGGCCATCT 17
RESULT 896
AX725998
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 3685 from Patent WO03025176.
ACCESSION AX725998
VERSION    AX725998.1 GI:30505341
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman,A., Anson,R. and Tuijnder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 3685 27-MAR-2003;
            Molecular Engines Laboratories (FR)
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            /db_xref="taxon:10090"
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            Query Match 0.8%; Score 12.2; DB 1; Length 17;
            Best Local Similarity 82.4%; Pred. No. 7.1e+02;
            Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1246 GGTCTATCGAGGAGCACA 1262
Db      1  GATCAGCAGGAGCACA 17
RESULT 897
AX726458
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 4145 from Patent WO03025176.
ACCESSION AX726458
VERSION    AX726458.1 GI:30505801
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman,A., Anson,R. and Tuijnder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 4145 27-MAR-2003;
            Molecular Engines Laboratories (FR)
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            Best Local Similarity 82.4%; Pred. No. 7.1e+02;
            Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      510 TGAACCTGCGGGTGACC 526
Db      17  TGCAACTGAGGGTGATC 1
RESULT 898
AX726580
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 4267 from Patent WO03025176.
ACCESSION AX726580
VERSION    AX726580.1 GI:30505923
KEYWORDS
SOURCE     Mus musculus (house mouse)
ORGANISM   Mus musculus
REFERENCE  1
AUTHORS    Telerman,A., Anson,R. and Tuijnder,M.
TITLE      Sequences involved in phenomena of tumour suppression, tumour
            reversion, apoptosis and/or virus resistance and their use as
            medicines
JOURNAL    Patent: WO 03025176-A 4267 27-MAR-2003;
            Molecular Engines Laboratories (FR)
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BASE COUNT 6 a 4 c 5 g 2 t
            Query Match 0.8%; Score 12.2; DB 1; Length 17;
            Best Local Similarity 82.4%; Pred. No. 7.1e+02;
            Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1246 GGTCTATCGAGGAGCACA 1262
Db      1  GATCAGCAGGAGCACA 17
RESULT 899
AX727491/c
LOCUS      17 bp      DNA      linear      PAT 08-MAY-2003
DEFINITION Sequence 5178 from Patent WO03025176.
ACCESSION AX727491
VERSION    AX727491.1 GI:30505834
KEYWORDS

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  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 279 CCTACAGCGAGTTATC 295
Db 17 CCTACATTCAGTTGATC 1

RESULT 904
LOCUS AX731101/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2735 from Patent WO03025175.
ACCESSION AX731101
VERSION AX731101.1 GI:30510444
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 2735 27-MAR-2003;
Molecular Engines Laboratories (FR)
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  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 333 GGTATGAGCGAGATC 349
Db 17 GGTATGAAGGAGGATC 1

RESULT 905
LOCUS AX731108/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2742 from Patent WO03025175.
ACCESSION AX731108
VERSION AX731108.1 GI:30510451
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 2742 27-MAR-2003;
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BASE COUNT      2 a      7 c      2 g      6 t
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QY 787 CAAGCTGGTGAAGGACC 803
Db 17 CAAGAGGTGAAGGATC 1

RESULT 906
LOCUS AX731467/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3101 from Patent WO03025175.
ACCESSION AX731467
VERSION AX731467.1 GI:30510810
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 3101 27-MAR-2003;
Molecular Engines Laboratories (FR)
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  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 802 CCTGAGCCCGGGGACC 818
Db 17 CCTGAGCCCGAGCGATC 1

RESULT 907
LOCUS AX733148/c 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 4782 from Patent WO03025175.
ACCESSION AX733148
VERSION AX733148.1 GI:30512491
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or virus resistance and their use as
medicines
JOURNAL Patent: WO 03025175-A 4782 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1467 TCTACCAATAGGCACC 1483
Db 17 TCTACCAAGTAGGCATC 1

RESULT 908
AX735717
LOCUS AX735717 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 1307 from Patent WO03025177.
ACCESSION AX735717
VERSION AX735717.1 GI:30514994
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 1307 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
BASE COUNT 2 a 6 c 5 g 4 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 346 GATCTCCAGAACTCCG 362
Db 1 GATCTCCGGAGCTCCG 17

RESULT 909
AX737405/c
LOCUS AX737405 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 2995 from Patent WO03025177.
ACCESSION AX737405
VERSION AX737405.1 GI:30516693
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 2995 27-MAR-2003;
Molecular Engines Laboratories (FR)
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/organism="Homo sapiens"
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1467 TCTACCAATAGGCACC 1483
Db 17 TCTACCAAGTAGGCATC 1

RESULT 910
AX737846
LOCUS AX737846 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3436 from Patent WO03025177.
ACCESSION AX737846
VERSION AX737846.1 GI:30517134
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 3436 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Location/Qualifiers
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/mol_type="genomic DNA"
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Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 913 GATCGAGACGGCGGAC 929
Db 1 GATCGAGAGCGGAC 17

RESULT 911
AX738348
LOCUS AX738348 17 bp DNA linear PAT 08-MAY-2003
DEFINITION Sequence 3938 from Patent WO03025177.
ACCESSION AX738348
VERSION AX738348.1 GI:30517636
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Telerman,A., Anson,R. and Tuijnder,M.
TITLE Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and the use
thereof as medicaments
JOURNAL Patent: WO 03025177-A 3938 27-MAR-2003;
Molecular Engines Laboratories (FR)
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/organism="Homo sapiens"
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BASE COUNT 4 a 5 c 6 g 2 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1142 GCTCTGCACAGCGTGAC 1158
Db 1 GATCTGCACAGCGGAC 17

RESULT 912
AX738466/c
LOCUS AX738466 17 bp DNA linear PAT 08-MAY-2003

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DEFINITION      Sequence 4056 from Patent WO03025177.
ACCESSION       AX738466
VERSION         AX738466.1  GI:30517754
SOURCE          Homo sapiens (human)
ORGANISM        Homo sapiens
REFERENCE       1
AUTHORS         Telerman,A., Anson,R. and Tuijnder,M.
TITLE           Sequences involved in phenomena of tumour suppression, tumour
                reversion, apoptosis and/or resistance to viruses and the use
                thereof as medicaments
JOURNAL         Patent: WO 03025177-A 4056 27-MAR-2003;
                Molecular Engines Laboratories (FR)
FEATURES        Location/Qualifiers
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QY 456 GTAAGGACAAAGTTGAAC 472
Db 17 GTAAGGACAAAGTTGATC 1

RESULT 913
LOCUS          AX738561/c
DEFINITION     Sequence 4151 from Patent WO03025177.
ACCESSION      AX738561
VERSION        AX738561.1  GI:30517849
KEYWORDS       Homo sapiens (human)
SOURCE         Homo sapiens
ORGANISM       Homo sapiens
REFERENCE      1
AUTHORS        Telerman,A., Anson,R. and Tuijnder,M.
TITLE          Sequences involved in phenomena of tumour suppression, tumour
                reversion, apoptosis and/or resistance to viruses and the use
                thereof as medicaments
JOURNAL        Patent: WO 03025177-A 4151 27-MAR-2003;
                Molecular Engines Laboratories (FR)
FEATURES        Location/Qualifiers
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                Best Local Similarity 82.4%; Pred. No. 7.1e+02;
                Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1442 GGCATCCACTCGTACTC 1458
Db 17 GGCATCCACTCGGGATC 1

RESULT 914
LOCUS          AX739235/c
DEFINITION     Sequence 4825 from Patent WO03025177.
ACCESSION      AX739235
VERSION        AX739235.1  GI:30518532
KEYWORDS       Homo sapiens (human)
SOURCE         Homo sapiens
ORGANISM       Homo sapiens
REFERENCE      1
AUTHORS        Kirtsen,N.V., Hyldig-Nielsen,J.J. and Williams,B.F.
TITLE          Methods, kits and compositions pertaining to the suppression of

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ORGANISM        Homo sapiens
REFERENCE       1
AUTHORS         Telerman,A., Anson,R. and Tuijnder,M.
TITLE           Sequences involved in phenomena of tumour suppression, tumour
                reversion, apoptosis and/or resistance to viruses and the use
                thereof as medicaments
JOURNAL         Patent: WO 03025177-A 4825 27-MAR-2003;
                Molecular Engines Laboratories (FR)
FEATURES        Location/Qualifiers
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QY 255 ACCCAAAAAGCTGACC 271
Db 17 ACCCAAGGAGCTGATC 1

RESULT 915
LOCUS          AX739841
DEFINITION     Sequence 5431 from Patent WO03025177.
ACCESSION      AX739841
VERSION        AX739841.1  GI:30519138
KEYWORDS       Homo sapiens (human)
SOURCE         Homo sapiens
ORGANISM       Homo sapiens
REFERENCE      1
AUTHORS        Telerman,A., Anson,R. and Tuijnder,M.
TITLE          Sequences involved in phenomena of tumour suppression, tumour
                reversion, apoptosis and/or resistance to viruses and the use
                thereof as medicaments
JOURNAL        Patent: WO 03025177-A 5431 27-MAR-2003;
                Molecular Engines Laboratories (FR)
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QY 1486 GCTCCTGGACAGCGAGG 1502
Db 1 GATCTTGGACAGCGTGG 17

RESULT 916
LOCUS          AX741041
DEFINITION     Sequence 15 from Patent WO03027328.
ACCESSION      AX741041
VERSION        AX741041.1  GI:30523902
KEYWORDS       synthetic construct
SOURCE         synthetic construct
ORGANISM       artificial sequences
REFERENCE      1
AUTHORS        Kirtsen,N.V., Hyldig-Nielsen,J.J. and Williams,B.F.
TITLE          Methods, kits and compositions pertaining to the suppression of

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detectable probe binding to randomly distributed repeat sequences
in genomic nucleic acid
Patent: WO 03027328-A 15 03-APR-2003;
Boston Probes, Inc. (US); DakoCytomation Denmark A/S (DK)

FEATURES

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Location/Qualifiers
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/note="Description of Combined DNA/RNA Molecule:Synthetic
Oligomer Sequence-Synthetic Probe Sequence"

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QY 1185 ACGCGCGCTCACGGCC 1201
D5 1 ACGACCGCGCCGCC 17

RESULT 917
AX744246 17 bp DNA linear PAT 14-MAY-2003
DEFINITION Sequence 211 from Patent WO03031621.
ACCESSION AX744246
VERSION AX744246.1 GI:30722913
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Zhang, J.
AUTHORS A human G protein coupled receptor
TITLE Patent: WO 03031621-A 211 17-APR-2003;
JOURNAL Amersham Biosciences (SV) Corp. (US)
FEATURES Location/Qualifiers
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QY 788 AAGCTGGTGAAGGACCT 804
D5 1 AAGCTGGTGAAGGACCT 17

RESULT 918
BD001184/c 17 bp RNA linear PAT 31-JAN-2002
LOCUS Method and reagent for inhibiting viral replication.
DEFINITION BD001184
ACCESSION BD001184
VERSION BD001184.1 GI:18625743
KEYWORDS JP 2000342285-A/344.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Draper, K.G., Dadykzt, L.W., Macswigen, J.A., Maysejak, D.G.,
Holesek, J.J., and Mamone, A.J.
TITLE Method and reagent for inhibiting viral replication
JOURNAL Patent: JP 2000342285-A 344 12-DEC-2000;
COMMENT OS Artificial Sequence
PN JP 2000342285-A/344
PD 12-DEC-2000

PF 01-MAY-2000 JP 2000132616
PR 11-MAY-1992 US 07/882689,14-MAY-1992 US 07/882712 PR
14-MAY-1992 US 07/882713,14-MAY-1992 US 07/882714 PR
14-MAY-1992 US 07/882823,14-MAY-1992 US 07/882824 PR
14-MAY-1992 US 07/882886,14-MAY-1992 US 07/882888 PR
14-MAY-1992 US 07/882889,14-MAY-1992 US 07/882921 PR
14-MAY-1992 US 07/882922,14-MAY-1992 US 07/882923 PR
14-MAY-1992 US 07/883849,14-MAY-1992 US 07/884073 PR
14-MAY-1992 US 07/884074,14-MAY-1992 US 07/884333 PR
14-MAY-1992 US 07/884422,14-MAY-1992 US 07/884521 PR
14-MAY-1992 US 07/884436,14-MAY-1992 US 07/935854 PR
31-JUL-1992 US 07/923738,26-AUG-1992 US 07/948359 PR
26-AUG-1992 US 07/936086,18-SEP-1992 US 07/948359 PR
15-OCT-1992 US 07/963322,07-DEC-1992 US 07/967129 PR
07-DEC-1992 US 07/987130,07-DEC-1992 US 07/987133 PR
KENNETH G DRAPER, LEC W DADYKZT, JAMES A MACSWIGEN, PI DENNIS G
MAYSEJAK,
PI JAMES J HOLESEK, ANTHONY J MAMONE
PC C12N15/09,C12N5/10,C12N7/00,C12N9/22//(C12N5/10,C12N1/91), PC
C12N15/00,
PC C12N5/00,(C12N5/00,C12N1/91)
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QY 1549 GCGCGGGGAGGGGCGC 1565
D5 17 GCGCGGGGAGGGGCGC 1
RESULT 919
BD001613/c 17 bp RNA linear PAT 31-JAN-2002
LOCUS Method and reagent for inhibiting viral replication.
DEFINITION BD001613
ACCESSION BD001613
VERSION BD001613.1 GI:18626172
KEYWORDS JP 2000342286-A/344.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 17)
AUTHORS Draper, K.G., Dadykzt, L.W., Macswigen, J.A., Maysejak, D.G.,
Holesek, J.J., and Mamone, A.J.
TITLE Method and reagent for inhibiting viral replication
JOURNAL Patent: JP 2000342286-A 344 12-DEC-2000;
COMMENT OS Artificial Sequence
PN JP 2000342286-A/344
PD 12-DEC-2000
PF 01-MAY-2000 JP 2000132651
PR 11-MAY-1992 US 07/882689,14-MAY-1992 US 07/882712 PR
14-MAY-1992 US 07/882713,14-MAY-1992 US 07/882714 PR
14-MAY-1992 US 07/882823,14-MAY-1992 US 07/882824 PR
14-MAY-1992 US 07/882886,14-MAY-1992 US 07/882888 PR
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14-MAY-1992 US 07/883849,14-MAY-1992 US 07/884073 PR
14-MAY-1992 US 07/884074,14-MAY-1992 US 07/884333 PR
14-MAY-1992 US 07/884422,14-MAY-1992 US 07/884521 PR
14-MAY-1992 US 07/884436,14-MAY-1992 US 07/935854 PR
31-JUL-1992 US 07/923738,26-AUG-1992 US 07/948359 PR
26-AUG-1992 US 07/936086,18-SEP-1992 US 07/948359 PR

15-OCT-1992 US 07/963322, 07-DEC-1992 US 07/987129 PR
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 KENNETH G DRAPER, LEC W DADYKIZ, JAMES A MACSWIGEN, PI DENNIS G
 MAYSEJAK,
 PI JAMES J HOLESEK, ANTHONY J MAMONE
 PC C12N15/09, C12N5/10, C12N7/00//A61K38/43, A61K39/125, A61K39/13,
 PC A61K39/135,
 PC A61K39/145, A61K39/21, A61K39/23, A61K39/245, A61K39/29, A61K48/00,
 PC A61P1/16
 PC A61P31/14, A61P31/16, A61P31/18, A61P31/22, A61P35/02, C12Q1/68, PC
 (C12N15/09, C12R1:93), C12N15/00, C12N5/00, A61K37/48, (C12N15/00, PC
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 Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 1549 GCGCGGGGAGGGCGC 1565
 Db 17 GCGCGGGGAGGGGGC 1

RESULT 920
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 LOCUS
 DEFINITION Human telomerase catalytic subunit.
 ACCESSION BD011182
 VERSION BD011182.1 GI:18639555
 KEYWORDS JP 2001081042-A/139.
 SOURCE unidentified
 ORGANISM
 1 (bases 1 to 17)
 unclassified.
 Sechi, T.R., Lingner, J., Nakamura, T., Chapman, K.B., Mori, G.B.,
 Harley, C.B. and Andrews, W.H.
 Human telomerase catalytic subunit
 Patent: JP 2001081042-A 139 27-MAR-2001;
 GERON CORP, UNIVERSITY TECHNOLOGY CORP
 OS Unidentified
 PN JP 2001081042-A/139
 PD 27-MAR-2001
 PF 27-JUL-2000 JP 2000227474
 PR 01-OCT-1996 US 08/724643, 18-APR-1997 US 08/844419 PR
 25-APR-1997 US 08/846017, 06-MAY-1997 US 08/851843 PR
 09-MAY-1997 US 08/854050, 14-AUG-1997 US 08/911312 PR
 14-AUG-1997 US 08/912951, 14-AUG-1997 US 08/915503 PI THOMAS
 R SECHI, JOACHIM LINGNER, TORU NAKAMURA, KAREN B CHAPMAN, PI GREG B
 MORIN,
 PI CALVIN B HARLEY, WILLIAM H ANDREWS
 PC A61K38/00, A61K31/7088, A61K39/00, A61K48/00, A61P35/00, A61P43/00,
 PC C07K5/10,
 PC C07K5/107, C07K5/117, C07K7/06, C07K7/08, C07K16/40, C12N9/12, PC
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 PC C12Q1/02, C12Q1/48, C12Q1/68, G01N33/15, G01N33/50, G01N33/53, PC
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 Qy 1362 GGGACCGGGGGGGCGC 1378
 Db 17 GGCATCGGGGGGTGC 1

RESULT 921
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 LOCUS
 DEFINITION Novel DNA fragment increasing gene expression dose.
 ACCESSION BD012716
 VERSION BD012716.1 GI:22092905
 KEYWORDS WO 0114543-A/25.
 SOURCE synthetic construct
 ORGANISM
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 Takakura, Y. and Ueki, J.
 Novel DNA fragment increasing gene expression dose
 Patent: WO 0114543-A 25 01-MAR-2001;
 JAPAN TOBACCO INC, YOSHIMITSU TAKAKURA, JUN UEKI
 OS Artificial Sequence
 PN WO 0114543-A/25
 PD 01-MAR-2001
 PF 18-AUG-2000 WO 2000JP005539
 PR 19-AUG-1999 JP 99P 232815
 PI YOSHIMITSU TAKAKURA, JUN UEKI
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RESULT 922
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 ACCESSION BD012716
 VERSION BD012716.1 GI:22092905
 KEYWORDS WO 0114543-A/25.
 SOURCE synthetic construct
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 artificial sequences.
 Takakura, Y. and Ueki, J.
 Novel DNA fragment increasing gene expression dose
 Patent: WO 0114543-A 25 01-MAR-2001;
 JAPAN TOBACCO INC, YOSHIMITSU TAKAKURA, JUN UEKI
 OS Artificial Sequence
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 PD 01-MAR-2001
 PF 18-AUG-2000 WO 2000JP005539

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PR 19-AUG-1999 JP 99P 232815
PI YOSHIMITSU TAKAKURA, JUN UEKI
PC C12N15/11, C12P21/02
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QY 1343 GCGGGGACAGCGGCGG 1359
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Db 17 GGTGTGGACTGCGGCGG 1

RESULT 923
BD013494
LOCUS
DEFINITION Diagnosis kit of tubercle bacillus.
ACCESSION BD013494
VERSION BD013494.1 GI:22553808
KEYWORDS JP 2001103981-A/58.
SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.
1 (bases 1 to 17)
Suzuki, S., Nishida, M. and Takenishi, S.
Diagnosis kit of tubercle bacillus
Patent: JP 2001103981-A 58 17-APR-2001;
NISHINBO IND INC, SYSTEM RESEARCH CO LTD
CS Mycobacterium tuberculosis
PN JP 2001103981-A/58
PD 17-APR-2001
PF 26-JUL-2000 JP 200225985
PI SADAIKO SUZUKI, MICHIO NISHIDA, SOICHIRO TAKENISHI PC
C12N15/09, C12N15/00, C12Q1/68, C12Q1/69, C12Q1/68, C12R1/32, PC
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QY 1365 ACCGGGGGCGGCGGCGC 1381
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Db 1 ACCGATGAGCGGCGGC 17

RESULT 924
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LOCUS
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065436
VERSION BD065436.1 GI:22611039
KEYWORDS JP 2001511000-A/71.
SOURCE unidentified

PR 19-AUG-1999 JP 99P 232815
PI YOSHIMITSU TAKAKURA, JUN UEKI
PC C12N15/11, C12P21/02
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1343 GCGGGGACAGCGGCGG 1359
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Db 17 GGTGTGGACTGCGGCGG 1

RESULT 923
BD013494
LOCUS
DEFINITION Diagnosis kit of tubercle bacillus.
ACCESSION BD013494
VERSION BD013494.1 GI:22553808
KEYWORDS JP 2001103981-A/58.
SOURCE Mycobacterium tuberculosis
ORGANISM Mycobacterium tuberculosis
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.
1 (bases 1 to 17)
Suzuki, S., Nishida, M. and Takenishi, S.
Diagnosis kit of tubercle bacillus
Patent: JP 2001103981-A 58 17-APR-2001;
NISHINBO IND INC, SYSTEM RESEARCH CO LTD
CS Mycobacterium tuberculosis
PN JP 2001103981-A/58
PD 17-APR-2001
PF 26-JUL-2000 JP 200225985
PI SADAIKO SUZUKI, MICHIO NISHIDA, SOICHIRO TAKENISHI PC
C12N15/09, C12N15/00, C12Q1/68, C12Q1/69, C12Q1/68, C12R1/32, PC
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1365 ACCGGGGGCGGCGGCGC 1381
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Db 1 ACCGATGAGCGGCGGC 17

RESULT 924
BD065436/c
LOCUS
DEFINITION An antisense oligonucleotide preparation method.
ACCESSION BD065436
VERSION BD065436.1 GI:22611039
KEYWORDS JP 2001511000-A/71.
SOURCE unidentified

ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Schlengersiepen, K.H. and Brysch, W.
TITLE An antisense oligonucleotide preparation method
JOURNAL Patent: JP 2001511000-A 71 07-AUG-2001;
COMMENT BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
OS Unknown
PN JP 2001511000-A/71
PD 07-AUG-2001
PF 30-JAN-1998 JP 1998532533
PR 31-JAN-1997 EP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH
PC C12N15/11, C07H21/04, A51K31/70
CC An antisense oligonucleotide preparation method FH Key
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BASE COUNT 6 a 3 c 5 g 3 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 850 GCTCTACGCGACTTCC 866
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Db 17 GCTGTACATTGACTTCC 1

RESULT 925
BD067713/c
LOCUS
DEFINITION Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors.
ACCESSION BD067713
VERSION BD067713.1 GI:22613316
KEYWORDS JP 2001311003-A/553.
SOURCE unidentified
ORGANISM unidentified
REFERENCE 1 (bases 1 to 17)
AUTHORS Akhtar, S., Fell, P. and McSwiggen, J.A.
TITLE Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors
JOURNAL Patent: JP 2001311003-A 553 07-AUG-2001;
COMMENT RIBOZYME PHARMACEUTICALS INC, ASTON UNIV
OS Unidentified
PN JP 2001311003-A/553
PD 07-AUG-2001
PF 14-JAN-1998 JP 1998532913
PR 31-JAN-1997 US 60/036476, 04-DEC-1997 US 08/985162 PI
SAGHIR AKHTAR, PATRICIA FELL, JAMES A MCSWIGGEN PC
C12N9/00, C07K4/71
CC Strandedness: Single;
CC Topology: Linear;
CC Enzymatic nucleic acid treatment of diseases or conditions
CC levels of epidermal growth factor receptors
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BASE COUNT 3 a 6 c 5 g 3 t

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COMMENT	OS	Artificial Sequence	PN	WO 0192572-A/608	PD	06-DEC-2001	PF	01-JUN-2001	WO 2001JP004662	PR	01-JUN-2000	JP 00P 164798	PI	HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI MATSUMURA,
Query Match	0.8%	Score 12.2;	DB 1;	Length 17;	Best Local Similarity	82.4%;	Pred. No. 7.1e-02;	Matches 14;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;		
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LOCUS	BD104826		17 bp	DNA	linear								PAT 27-AUG-2002	
DEFINITION	Kit and method for determining HLA type.													
ACCESSION	BD104826													
VERSION	BD104826.1	GI:22650400												
KEYWORDS	WO 0192572-A/930.													
SOURCE	synthetic construct													
ORGANISM	synthetic construct													
REFERENCE	1 (bases 1 to 17)													
AUTHORS	Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and Nishida,M.													
TITLE	Kit and method for determining HLA type													
JOURNAL	Patent: WO 0192572-A 930 06-DEC-2001;													
	NISHINBO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIYA, MICHIO NISHIDA													
COMMENT	OS	Artificial Sequence	PN	WO 0192572-A/930	PD	06-DEC-2001	PF	01-JUN-2001	WO 2001JP004662	PR	01-JUN-2000	JP 00P 164798	PI	HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI PI MATSUMURA,
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Db 1 CGGAGCCGCGGAGGATCGA 17

RESULT 929
BD105168/c
LOCUS
DEFINITION Kit and method for determining HLA type.
ACCESSION BD105168
VERSION BD105168.1 GI:22650742
KEYWORDS WO 0192572-A/1272.
SOURCE synthetic construct
ORGANISM synthetic construct
REFERENCE 1 (bases 1 to 17)
AUTHORS Inoko,H., Kagiya,T., Ichihara,T., Matsumura,Y., Moriya,S. and Nishida,M.
TITLE Kit and method for determining HLA type
JOURNAL Patent: WO 0192572-A 1272 06-DEC-2001; NISSHINBO INDUSTRIES INC,SYSTEM RESEARCH INC,HIDETOSHI INOKO, TAEKO KAGIYA, TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO NISHIDA
COMMENT OS Artificial Sequence
PN WO 0192572-A/1272
PD 06-DEC-2001
PF 01-JUN-2001 WO 2001JP004562
PR 01-JUN-2000 JP 00P 164798
PI HIDETOSHI INOKO,TAEKO KAGIYA,TATSUO ICHIHARA,YOSHIYUKI MATSUMURA,SHOGO MORIYA,MICHIO NISHIDA
PI SHOGO MORIYA,MICHIO NISHIDA
PC C12Q1/68,C12M1/00,C12N15/09,G01N33/53
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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 804 TGAGCCCGCGGACCGC 820
Db 17 TGAGCCCGCGGTGTCGC 1

RESULT 930
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LOCUS
DEFINITION Polynucleotide probe and primer for detecting beer-clouding lactic acid bacterium.
ACCESSION BD182250.1 GI:30793168
VERSION WO 02095028-A/53.
SOURCE Lactobacillus brevis
ORGANISM Lactobacillus brevis
REFERENCE 1 (bases 1 to 17)
AUTHORS Fujii,T.
TITLE Polynucleotide probe and primer for detecting beer-clouding lactic acid bacterium and method of detecting beer-clouding lactic acid bacterium.
JOURNAL Patent: WO 02095028-A 63 28-NOV-2002; KIRIN BREWERY CO LTD,TOSHIO FUGUI
COMMENT OS Lactobacillus brevis
PN WO 02095028-A/63

QY 804 TGAGCCCGCGGACCGC 820
Db 17 TGAGCCCGCGGTGTCGC 1

RESULT 930
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LOCUS
DEFINITION Polynucleotide probe and primer for detecting beer-clouding lactic acid bacterium.
ACCESSION BD182250.1 GI:30793168
VERSION WO 02095028-A/53.
SOURCE Lactobacillus brevis
ORGANISM Lactobacillus brevis
REFERENCE 1 (bases 1 to 17)
AUTHORS Fujii,T.
TITLE Polynucleotide probe and primer for detecting beer-clouding lactic acid bacterium and method of detecting beer-clouding lactic acid bacterium.
JOURNAL Patent: WO 02095028-A 63 28-NOV-2002; KIRIN BREWERY CO LTD,TOSHIO FUGUI
COMMENT OS Lactobacillus brevis
PN WO 02095028-A/63

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PD 28-NOV-2002
PF 23-MAY-2002 WO 2002JP005022
PR 23-MAY-2001 JP 01P 154085
PI TOSHIO FUGUI
PC C12N15/11,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C07K14/335, PC C07K16/12
PC C12P21/02,C12Q1/04,C12Q1/68
CC Polynucleotide probe and primer for detecting beer-clouding lactic acid bacterium and method of detecting beer-clouding lactic acid bacterium
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BASE COUNT 5 a 4 c 5 g 3 t

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Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 725 GCGGCCCAATCGGAGG 741
Db 1 GCGGCCCAATCGTGATG 17

RESULT 931
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LOCUS
DEFINITION Modified antisense oligonucleotide.
ACCESSION E12897
VERSION E12897.1 GI:5708629
KEYWORDS JP 1997095495-A/1.
SOURCE unidentified
ORGANISM unclassified
REFERENCE 1 (bases 1 to 17)
AUTHORS Matsuda,A. and Ono,A.
TITLE ANTISENSE OLIGONUCLEOTIDE, NUCLEOSIDE AND INTERMEDIATE FOR PRODUCING THE SAME, ITS SYNTHESIS, OLIGONUCLEOTIDE SYNTHESIZING UNIT AND ITS
JOURNAL Patent: JP 1997095495-A 1 08-APR-1997; KANSAI SHIN GLUTSU KENKYUSHO:KK, MATSUDA AKIRA
COMMENT OS None
OC Artificial sequences.
PN JP 1997095495-A/1
PD 08-APR-1997
PF 29-SEP-1995 JP 1995277168
PI MATSUDA AKIRA, ONO AKIRA
PC C07H21/04//A61K31/70,A61K31/70,C12N15/09;
CC strandedness: Single;
CC topology: Linear;
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FH Location/Qualifiers
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QY 12 AGCAGGGAGAGAGCA 28
Db 17 AGAGAGAGAGAGAGA 1
RESULT 932
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LOCUS 17 bp DNA linear PAT 18-JUN-2001
DEFINITION Human telomerase catalytic subunit promoter.
ACCESSION E36931
VERSION E36931.1 GI:13022894
KEYWORDS JP 1999253177-A/139.
SOURCE unidentified
ORGANISM unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Thomas,R.S., Jochimu,R., Toru,N., Karen,B.C., Greg,B.M.,
Calvin,B.H. and William,H.A.
TITLE Human telomerase catalytic subunit promoter
JOURNAL Patent: JP 1999253177-A 139 21-SEP-1999;
JERON CORP. UNIVERSITY TECHNOLOGY CORP
COMMENT OS Unidentified
PN JP 1999253177-A/139
PD 21-SEP-1999
PF 15-OCT-1998 JP 1998320169
PR 01-OCT-1996 US 08/724,643,18-APR-1997 US 08/844,419, PR
25-APR-1997 US 08/846,017,06-MAY-1997 US 08/851,843, PR
09-MAY-1997 US 08/854,050,14-AUG-1997 US 08/911,312, PR
14-AUG-1997 US 08/912,951,14-AUG-1997 US 08/915,503 PI THOMAS
R SECHI,JOCHIMU RINGNER,TORU NAKAMURA,KAREN B CHAPMAN, PI GREG B
MORIN,
PI CALVIN B HAREI, WILLIAM H ANDREWS
PC C12N15/09,A61K31/70,A61K38/55,A61K39/395,A61K48/00,
PC C12Q1/02,
PC C12Q1/48,C12Q1/68,G01N33/15,G01N33/48,G01N33/50//C07K14/47, PC
C07K16/40,
PC C12N1/19,C12N1/21,C12N5/10,C12N9/12,C12P21/08,(C12N1/19, PC
C12R1/84),
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Db 17 GGCATCGCGGGCGTGGC 1
RESULT 933
E42982
LOCUS 17 bp DNA linear PAT 31-JAN-2002
DEFINITION Novel DNA fragment enlarging gene expression dose.
ACCESSION E42982
VERSION E42982.1 GI:18633441
KEYWORDS JP 2001057886-A/25.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Takakura,Y. and Ueki,J.
TITLE Novel DNA fragment enlarging gene expression dose
JOURNAL Patent: JP 2001057886-A 25 06-MAR-2001;
JAPAN TOBACCO INC
COMMENT OS Artificial Sequence
PN JP 2001057886-A/25
PD 06-MAR-2001
PF 19-AUG-1999 JP 1999232815
PR YOSHIMITSU TAKAKURA,JUN UEKI
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BASE COUNT 3 a 10 c 3 g 1 t
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Db 1 CCGCGCGGATCCACAC 17
RESULT 934
E42982/c
LOCUS 17 bp DNA linear PAT 31-JAN-2002
DEFINITION Novel DNA fragment enlarging gene expression dose.
ACCESSION E42982
VERSION E42982.1 GI:18633441
KEYWORDS JP 2001057886-A/25.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 17)
AUTHORS Takakura,Y. and Ueki,J.
TITLE Novel DNA fragment enlarging gene expression dose
JOURNAL Patent: JP 2001057886-A 25 06-MAR-2001;
JAPAN TOBACCO INC

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COMMENT      OS Artificial Sequence
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              PD 06-MAR-2001
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Db 17 GGTGTGGACTGGGGGG 1

RESULT 935
I14531/c
LOCUS      I14531
DEFINITION Sequence 8 from patent US 5451512.
ACCESSION I14531
VERSION I14531.1 GI:997014
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Apple, R.J., Bugawan, T.L. and Erlich, H.A.
TITLE Methods and reagents for HLA class I A locus DNA typing
JOURNAL Patent: US 5451512-A 8 19-SEP-1995;
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BASE COUNT 1 a 9 c 3 g 4 t
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Db 17 GCGAGCGGAGGATGA 1

RESULT 936
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LOCUS      I145991
DEFINITION Sequence 15 from patent US 5639608.
ACCESSION I145991
VERSION I145991.1 GI:2469956
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Tabor, S. and Richardson, C.C.
TITLE Method for sequencing DNA using a T7-type DNA polymerase and short
JOURNAL Patent: US 5639608-A 15 17-JUN-1997;
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source Location/Qualifiers
1..17 /organism="unknown"

COMMENT      OS Artificial Sequence
              PN JP 2001057886-A/25
              PD 06-MAR-2001
              PR 19-AUG-1999 JP 1999232815
              PI YOSHIMITSU TAKAKURA, JUN UEKI
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QY 1343 GCGGGGACAGGGGGG 1359
Db 17 GGTGTGGACTGGGGGG 1

RESULT 935
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LOCUS      I14531
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ACCESSION I14531
VERSION I14531.1 GI:997014
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Apple, R.J., Bugawan, T.L. and Erlich, H.A.
TITLE Methods and reagents for HLA class I A locus DNA typing
JOURNAL Patent: US 5451512-A 8 19-SEP-1995;
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QY 33 GCGAGCGGAGCGAGGA 49
Db 17 GCGAGCGGAGGATGA 1

RESULT 936
I145991/c
LOCUS      I145991
DEFINITION Sequence 15 from patent US 5639608.
ACCESSION I145991
VERSION I145991.1 GI:2469956
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Tabor, S. and Richardson, C.C.
TITLE Method for sequencing DNA using a T7-type DNA polymerase and short
JOURNAL Patent: US 5639608-A 15 17-JUN-1997;
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source Location/Qualifiers
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BASE COUNT 1 a 7 c 3 g 6 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Db 17 CGAGGAAGGGAAGCTC 1

RESULT 937
I146955
LOCUS      I146955
DEFINITION Sequence 48 from patent US 5639655.
ACCESSION I146955
VERSION I146955.1 GI:2470920
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Thompson, J.D. and Draper, K.G.
TITLE PML-RARA targeted ribozymes
JOURNAL Patent: US 5639655-A 48 17-JUN-1997;
FEATURES
source Location/Qualifiers
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BASE COUNT 1 a 2 c 13 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 7.1e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1556 GGAGGGCGCGGGAGGG 1572
Db 1 GGTGGGGGGCGGGACGG 17

RESULT 938
I153736
LOCUS      I153736
DEFINITION Sequence 1477 from patent US 5646042.
ACCESSION I153736
VERSION I153736.1 GI:2474939
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Stinchcomb, D.T., Draper, K., McSwiggen, J. and Jarvis, T.
TITLE C-myc targeted ribozymes
JOURNAL Patent: US 5646042-A 1477 08-JUL-1997;
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source Location/Qualifiers
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RESULT 939
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LOCUS      I175308
DEFINITION Sequence 57 from patent US 5689052.
ACCESSION I175308
VERSION I175308.1 GI:3011449

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Search completed: December 23, 2003, 16:33:26
Job time : 34 secs

KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 17)
AUTHORS Brown,S.Marie., Dean,D.Allen., Fromm,M.Ernest. and Sanders,P.Rigden.
TITLE Synthetic DNA sequences having enhanced expression in monocotyledonous plants and method for preparation thereof
JOURNAL Patent: US 5689052-A 57 18-NOV-1997;
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source Location/Qualifiers
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RESULT 940
AB068835/c
LOCUS
DEFINITION Synthetic construct DNA, reverse primer for human STS sts-CW-203-2 at 1p36.
ACCESSION AB068835
VERSION AB068835.1 GI:15129639
KEYWORDS
SOURCE Synthetic construct
ORGANISM synthetic construct
artificial sequences.
REFERENCE 1
AUTHORS Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K., Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H., Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A. and Soeda,E.
TITLE A BAC-based STS-content map spanning a 35-Mb region of human chromosome 1p35-p36
JOURNAL Genomics 74 (1), 55-70 (2001)
MEDLINE 21269192
PUBMED 11374902
REFERENCE 2 (bases 1 to 17)
AUTHORS Horii,A.
TITLE Direct Submission
JOURNAL Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8042, Fax:81-22-717-8047)
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BASE COUNT 3 a 9 c 4 g 1 t
Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred.No. 7.1e+02;
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C 112 14.4 0.9 20 1 US-09-791-243-11 Sequence 11, Appl
C 113 14.2 0.9 19 1 US-09-910-087-12 Sequence 12, Appl
C 114 14.2 0.9 19 1 US-09-938-795A-18 Sequence 18, Appl
C 115 14.2 0.9 19 1 US-09-791-190A-16 Sequence 16, Appl
C 116 14.2 0.9 19 1 US-10-244-647-9 Sequence 9, Appl
C 117 14.2 0.9 19 1 US-10-244-647-655 Sequence 655, Ap
C 118 14.2 0.9 20 1 US-09-752-983-42 Sequence 42, Appl
C 119 14.2 0.9 20 1 US-09-800-631-11 Sequence 11, Appl
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C 124 14.2 0.9 20 1 US-10-388-263-746 Sequence 746, Ap
C 125 14.2 0.9 20 1 US-10-006-191-91 Sequence 91, Appl
C 126 14.2 0.9 20 1 US-10-006-191-111 Sequence 111, Appl
C 127 14.2 0.9 20 1 US-09-961-756-45 Sequence 45, Appl
C 128 14.2 0.9 20 1 US-09-851-871-154 Sequence 154, Appl
C 129 14.2 0.9 20 1 US-10-363-798-15 Sequence 15, Appl
C 130 14.2 0.9 20 1 US-10-005-344-42 Sequence 42, Appl
C 131 14.2 0.9 20 1 US-10-232-334-42 Sequence 42, Appl
C 132 14.2 0.9 20 1 US-10-293-783-11 Sequence 11, Appl
C 133 14.2 0.9 30 1 US-09-828-034-77 Sequence 77, Appl
C 134 14 0.9 15 1 US-09-757-100B-37 Sequence 37, Appl
C 135 14 0.9 15 1 US-10-440-850-167 Sequence 167, Appl
C 136 14 0.9 16 1 US-09-870-956-17 Sequence 17, Appl
C 137 14 0.9 17 1 US-09-780-533A-1789 Sequence 1789, Ap
C 138 14 0.9 17 1 US-09-780-533A-2337 Sequence 2337, Ap
C 139 14 0.9 18 1 US-08-911-824-77 Sequence 77, Appl
C 140 14 0.9 18 1 US-09-374-046A-201 Sequence 201, Appl
C 141 14 0.9 19 1 US-10-309-690-1 Sequence 1, Appl
C 142 14 0.9 20 1 US-10-001-844-40 Sequence 40, Appl
C 143 14 0.9 20 1 US-09-757-100B-17 Sequence 17, Appl
C 144 14 0.9 20 1 US-09-888-615-131 Sequence 131, Appl
C 145 14 0.9 20 1 US-10-430-196-5 Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-10-001-844-6
; Sequence 6, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Probe
US-10-001-844-6

Query Match 1.9%; Score 30; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 5.1;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 691 TATCCACTGCTCGGTGAAGCAGAGAACTC 720
Db 1 TATCCACTGCTCGGTGAAGCAGAGAACTC 30

RESULT 2
US-09-992-665-289/c
; Sequence 289, Application US/09992665
; Publication No. US20030092009A1
; GENERAL INFORMATION:
; APPLICANT: Kaia Palm
; TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
; FILE REFERENCE: CEMINES.002A
; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/249,508
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 289
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe
US-09-992-665-289

Query Match 1.7%; Score 27; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 11; Indels 0; Gaps 0;
Matches 27; Conservative 0; Mismatches 0;

Qy 755 TCGGCCACGGTGCACCTGGAGCAGGC 781
Db 27 TCGGCCACGGTGCACCTGGAGCAGGC 1

RESULT 3
US-08-462-386D-43
; Sequence 43, Application US/08462386D
; Publication No. US20030186357A1
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tabin, Clifford J.
; TITLE OF INVENTION: Vertebrate Tissue Pattern-Inducing
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,386D
; FILING DATE: 5-JUNE-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/435,093
; FILING DATE: 4-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/356,060
; FILING DATE: 14-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,427
; FILING DATE: 30-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: HMI-006CP3
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-462-386D-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAAGATGCC 547
DB 1 ACCGAGGGCTGGGACGAAGATGCC 24

RESULT 4

US-08-954-771-43
Sequence 43, Application US/08954771
Publication No. US20030054437A1
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McMahon, Andrew P.
APPLICANT: Tabin, Clifford J.
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
TITLE OF INVENTION: Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HOAG & ELIOT LLP
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109-2170

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/954,771
FILING DATE: 20-OCT-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/462,386
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/435,093
FILING DATE: 04-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/356,060
FILING DATE: 14-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/176,427
FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMV-006.11
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-954-771-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAAGATGCC 547
DB 1 ACCGAGGGCTGGGACGAAGATGCC 24

RESULT 5

US-09-736-476-43
Sequence 43, Application US/09736476
Publication No. US20030190696A1
GENERAL INFORMATION:
APPLICANT: Ingham, Phillip W.
APPLICANT: McMahon, Andrew P.
APPLICANT: Tabin, Clifford J.
APPLICANT: Bumcrot, David A.
APPLICANT: Marti-Groetzka, Elisa
TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
TITLE OF INVENTION: Proteins and Uses Related Thereto
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII(text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/736,476
FILING DATE: 13-DEC-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/435,093
FILING DATE: 4-MAY-1995
APPLICATION NUMBER: US 08/356,060
FILING DATE: 14-DEC-1994
APPLICATION NUMBER: US 08/176,427
FILING DATE: 30-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Vincent, Matthew P.
REGISTRATION NUMBER: 36,709
REFERENCE/DOCKET NUMBER: HMI-006CP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 43:
US-09-736-476-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAAGATGCC 547
DB 1 ACCGAGGGCTGGGACGAAGATGCC 24

RESULT 6

```
US-10-147-463-30
; Sequence 30, Application US/10147463
; Publication No. US20030059838A1
; GENERAL INFORMATION:
; APPLICANT: ARIYASU, Toshio
; NAKAMURA, Shuji
; ORITA, Kunzo
; TITLE OF INVENTION: HEDGEHOG PROTEIN
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States of America
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/147,463
; FILING DATE: 17-MAY-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/617,545
; FILING DATE: 14-JUL-2000
; APPLICATION NUMBER: 09/063,778
; FILING DATE: <Unknown>
; APPLICATION NUMBER: JP 98-
; FILING DATE: 14-APR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: ARIYASU-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-35281
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-10-147-463-30

Query Match 1.5%; Score 23.4; DB 1; Length 33;
Best Local Similarity 81.8%; Pred. No. 63;
Matches 27; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 208 CTCGGGACTGCGTGGCGACCGGCGAGGGGTT 240
Db 1 CCCGGGAATTCATTGCGGACCGGCGAGGGGTT 33

RESULT 7
US-09-992-665-288
; Sequence 288, Application US/09992665
; Publication No. US20030092009A1
; GENERAL INFORMATION:
; APPLICANT: Kaia Palm
; TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
; FILE REFERENCE: CEMINES.002A
; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/249,508
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 288
; LENGTH: 24

US-10-147-463-30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe
US-09-992-665-288

Query Match 1.4%; Score 22; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGGCGAGATGT 172
Db 3 GATGCTGCTGCTGGCGAGATGT 24

RESULT 8
US-09-883-848A-37/c
; Sequence 37, Application US/09883848A
; Publication No. US20030022819A1
; GENERAL INFORMATION:
; APPLICANT: Ling, L.
; APPLICANT: Sanicola-Nadel, M.
; TITLE OF INVENTION: ANGIOGENESIS-MODULATING COMPOSITIONS AND USES
; FILE REFERENCE: CIBT-P01-119
; CURRENT APPLICATION NUMBER: US/09/883,848A
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/211,919
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide
US-09-883-848A-37

Query Match 1.4%; Score 22; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 TCGGACCGGCGAGGGGTTTCG 242
Db 22 TCGGACCGGCGAGGGGTTTCG 1

RESULT 9
US-10-164-282-19/c
; Sequence 19, Application US/10164282
; Publication No. US20030166543A1
; GENERAL INFORMATION:
; APPLICANT: Williams et al.
; TITLE OF INVENTION: FUNCTIONAL ANTAGONISTS OF HEDGEHOG ACTIVITY
; FILE REFERENCE: CIBT-P02-113
; CURRENT APPLICATION NUMBER: US/10/164,282
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: 09/890,975
; PRIOR FILING DATE: 2001-08-07
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 19
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-164-282-19

Query Match 1.4%; Score 22; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 TCGGACCGGCGAGGGGTTTCG 242
```

Db 22 TCGGACCGGGGAGCGGGTTCG 1
|||||

RESULT 10

US-09-828-034-7/c
; Sequence 7, Application US/09828034
; Patent No. US20020064771A1
; GENERAL INFORMATION:
; APPLICANT: Zhong, Weidong
; APPLICANT: Hong, Zhi
; APPLICANT: Ferrari, Eric
; TITLE OF INVENTION: HCV REPLICASE COMPLEXES
; FILE REFERENCE: IN01165
; CURRENT APPLICATION NUMBER: US/09/828,034
; PRIOR APPLICATION NUMBER: 2001-04-06
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 30
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
US-09-828-034-7

Query Match 1.4%; Score 22; DB 1; Length 30;
Best Local Similarity 83.3%; Pred. No. 82;
Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1546 GGGGGCGGGGAGGGCGGGCGGGAGCGGGC 1575
|||||

Db 30 GGGGGCGGGGCGGGCGGGCGGGCGGGCGGGC 1
|||||

RESULT 11

US-10-001-844-4
; Sequence 4, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-001-844-4

Query Match 1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 655 CGGCTTCGACTGGGTGTACTA 675
|||||

Db 1 CGGCTTCGACTGGGTGTACTA 21
|||||

RESULT 12

US-10-108-969-4
; Sequence 4, Application US/10108969
; Publication No. US20030198959A1
; GENERAL INFORMATION:
; APPLICANT: Kurnit, David M.

; TITLE OF INVENTION: Methods and Compositions for Analysis of Urine Samples in the D.
; TITLE OF INVENTION: and Treatment of Kidney Diseases
; FILE REFERENCE: 85988-0001
; CURRENT APPLICATION NUMBER: US/10/108,969
; CURRENT FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Indian hedgehog forward primer.
US-10-108-969-4

Query Match 1.3%; Score 20.6; DB 1; Length 27;
Best Local Similarity 85.2%; Pred. No. 1e+02;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 385 CAATTACACCCCGACATCATTTAA 411
|||||

Db 1 CAATTACATCCAGACATCATTTCAA 27
|||||

RESULT 13

US-10-001-844-10/c
; Sequence 10, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-10

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 GAGGGAGAGAGCGAGCGGGC 34
|||||

Db 20 GAGGGAGAGAGCGAGCGGGC 1
|||||

RESULT 14

US-10-001-844-11/c
; Sequence 11, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide

```

US-10-001-844-11
Query Match          1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 70 CGCACAGGCACACCCGCC 89
DB 20 CGCACAGGCACACCCGCC 1

RESULT 15
US-10-001-844-12/c
; Sequence 12, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-12

Query Match          1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 TCGCGCCGCGACCCGCGG 117
DB 20 TCGCGCCGCGACCCGCGG 1

RESULT 16
US-10-001-844-13/c
; Sequence 13, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-13

Query Match          1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 133 CATCAGTTCATGGCGGAGA 152
DB 20 CATCAGTTCATGGCGGAGA 1

RESULT 17
US-10-001-844-14/c
; Sequence 14, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-14

Query Match          1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 135 TCAGTTCATGGCGGAGATG 154
DB 20 TCAGTTCATGGCGGAGATG 1

RESULT 18
US-10-001-844-15/c
; Sequence 15, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-15

Query Match          1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred.No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 137 AGTTCCATGGCGGAGATGCT 156
DB 20 AGTTCCATGGCGGAGATGCT 1

RESULT 19
US-10-001-844-16/c
; Sequence 16, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 20

```

```
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-16

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 139 TTCCATGGCGAGATGCTGC 158
Db 20 TTCCATGGCGAGATGCTGC 1

RESULT 20
US-10-001-844-17/c
/ Sequence 17, Application US/10001844
/ Publication No. US20030105041A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
/ FILE REFERENCE: ISPH-0617
/ CURRENT APPLICATION NUMBER: US/10/001,844
/ CURRENT FILING DATE: 2001-11-16
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 17
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-17

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 141 CCATGGCGAGATGCTGCTG 160
Db 20 CCATGGCGAGATGCTGCTG 1

RESULT 21
US-10-001-844-18/c
/ Sequence 18, Application US/10001844
/ Publication No. US20030105041A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
/ FILE REFERENCE: ISPH-0617
/ CURRENT APPLICATION NUMBER: US/10/001,844
/ CURRENT FILING DATE: 2001-11-16
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 18
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-18

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 143 ATGGCGAGATGCTGCTGCT 162
Db 20 ATGGCGAGATGCTGCTGCT 1

RESULT 22
US-10-001-844-19/c
/ Sequence 19, Application US/10001844
/ Publication No. US20030105041A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
/ FILE REFERENCE: ISPH-0617
/ CURRENT APPLICATION NUMBER: US/10/001,844
/ CURRENT FILING DATE: 2001-11-16
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 19
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-19

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 145 GGGCGAGATGCTGCTGCTG 164
Db 20 GGGCGAGATGCTGCTGCTG 1

RESULT 23
US-10-001-844-20/c
/ Sequence 20, Application US/10001844
/ Publication No. US20030105041A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
/ FILE REFERENCE: ISPH-0617
/ CURRENT APPLICATION NUMBER: US/10/001,844
/ CURRENT FILING DATE: 2001-11-16
/ NUMBER OF SEQ ID NOS: 49
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 20
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-20

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 147 CGGAGATGCTGCTGCTGCG 166
Db 20 CGGAGATGCTGCTGCTGCG 1

RESULT 24
US-10-001-844-21/c
/ Sequence 21, Application US/10001844
/ Publication No. US20030105041A1
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
/ FILE REFERENCE: ISPH-0617
/ CURRENT APPLICATION NUMBER: US/10/001,844
/ CURRENT FILING DATE: 2001-11-16
```

; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-21

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 149 GAGATGCTGCTGGCGAG 168
|||
DB 20 GAGATGCTGCTGGCGAG 1

RESULT 25
US-10-001-844-22/c
; Sequence 22, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-22

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 151 GATGCTGCTGGCGAGAT 170
|||
DB 20 GATGCTGCTGGCGAGAT 1

RESULT 26
US-10-001-844-23/c
; Sequence 23, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-23

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 TGCTGCTGCTGGCGAGATGT 172
|||
DB 20 TGCTGCTGCTGGCGAGATGT 1

RESULT 27
US-10-001-844-24/c
; Sequence 24, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-24

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 155 CTGCTGCTGGCGAGATGTCT 174
|||
DB 20 CTGCTGCTGGCGAGATGTCT 1

RESULT 28
US-10-001-844-25/c
; Sequence 25, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-25

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 TGCTGCTGCTGGCGAGTGTG 217
|||
DB 20 TGCTGCTGCTGGCGAGTGTG 1

RESULT 29
US-10-001-844-26/c
; Sequence 26, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett

; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-26

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 341 CGGAGATCTCCAGAACTC 360
DB 20 GGAAGATCTCCAGAACTC 1

RESULT 30
US-10-001-844-27/c
; Sequence 27, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-27

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 432 CGGACAGGCTGATGACTCAG 451
DB 20 CGGACAGGCTGATGACTCAG 1

RESULT 31
US-10-001-844-28/c
; Sequence 28, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-28

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 501 GCCCAGGAGTGAAACTGCGG 520
DB 20 GCCCAGGAGTGAAACTGCGG 1

RESULT 32
US-10-001-844-29/c
; Sequence 29, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-29

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 556 AGAGGAGTCTCTGCACTACG 575
DB 20 AGAGGAGTCTCTGCACTACG 1

RESULT 33
US-10-001-844-30/c
; Sequence 30, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-30

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 607 CCGGACCGCAGCAAGTACG 626
DB 20 CCGGACCGCAGCAAGTACG 1

RESULT 34
US-10-001-844-31/c
; Sequence 31, Application US/10001844

```
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-31

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      666 GGGTGACTACGAGTCCAG 685
DB      20 GGGTGACTACGAGTCCAG 1

RESULT 35
US-10-001-844-32/c
; Sequence 32, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-32

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      721 GGTGGCGGCCAAATCGGGAG 740
DB      20 GGTGGCGGCCAAATCGGGAG 1

RESULT 36
US-10-001-844-33/c
; Sequence 33, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-33

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      907 CTACGTGATCGAGCGCGG 926
DB      20 CTACGTGATCGAGCGCGG 1

; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-34/c
; Sequence 34, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-34

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      864 TCCTCACTTTCCTGACCGC 883
DB      20 TCCTCACTTTCCTGACCGC 1

RESULT 38
US-10-001-844-35/c
; Sequence 35, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-35

Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      907 CTACGTGATCGAGCGCGG 926
DB      20 CTACGTGATCGAGCGCGG 1
```

```
RESULT 39
US-10-001-844-36/c
; Sequence 36, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-36
Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 CTCACGGCGCGCACTGCT 966
DB 20 CTCACGGCGCGCACTGCT 1

RESULT 40
US-10-001-844-37/c
; Sequence 37, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-37
Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 992 GCCACGGGAGCCCGAGGC 1011
DB 20 GCCACGGGAGCCCGAGGC 1

RESULT 41
US-10-001-844-38/c
; Sequence 38, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-38
Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1052 CCTCGGCGCGTGTCCGAG 1071
DB 20 CCTCGGCGCGTGTCCGAG 1

RESULT 42
US-10-001-844-39/c
; Sequence 39, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-39
Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1099 CGTGGTGGCGGCGTGACG 1118
DB 20 CGTGGTGGCGGCGTGACG 1

RESULT 43
US-10-001-844-40/c
; Sequence 40, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-40
Query Match      1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1141 CGCTGTGCACAGCGTACCC 1160
Db 20 CGCTGTGCACAGCGTACCC 1

RESULT 44

US-10-001-844-41/c
; Sequence 41, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-41

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1187 GCGCGCTCAGCGCCAGGG 1206
Db 20 GCGCGCTCAGCGCCAGGG 1

RESULT 45

US-10-001-844-42/c
; Sequence 42, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-42

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1233 CCTGTGCTACGGGTATC 1252
Db 20 CCTGTGCTACGGGTATC 1

RESULT 46

US-10-001-844-43/c
; Sequence 43, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION

; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-43

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1271 CACCGGGCCTTCGGCCCTT 1290
Db 20 CACCGGGCCTTCGGCCCTT 1

RESULT 47

US-10-001-844-44/c
; Sequence 44, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-44

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1308 TCCTGCTGCACTGGCGCC 1327
Db 20 TCCTGCTGCACTGGCGCC 1

RESULT 48

US-10-001-844-45/c
; Sequence 45, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-45

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1350 ACAGCGCGCGGGGACCGC 1369
Db 20 ACAGCGCGCGGGGACCGC 1

RESULT 49

US-10-001-844-46/c
; Sequence 46, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-46

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1407 GTGCTGCCGACGCTCCGGT 1426
Db 20 GTGCTGCCGACGCTCCGGT 1

RESULT 50

US-10-001-844-47/c
; Sequence 47, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-47

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1466 CTCTACCAATAGGCACCTG 1485
Db 20 CTCTACCAATAGGCACCTG 1

RESULT 51

US-10-001-844-48/c
; Sequence 48, Application US/10001844
; Publication No. US20030105041A1

GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-48

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1512 CGCTGGCGATGGCGGTCAAG 1531
Db 20 CGCTGGCGATGGCGGTCAAG 1

RESULT 52

US-10-001-844-49/c
; Sequence 49, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-49

Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1521 TGGCGGTCAAGTCCAGCTGA 1540
Db 20 TGGCGGTCAAGTCCAGCTGA 1

RESULT 53

US-09-825-155-5
; Sequence 5, Application US/09825155
; Publication No. US20030100032A1
; GENERAL INFORMATION:
; APPLICANT: Alcaba, Ariel Ruiz
; TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
; OF SPORADIC BASAL CELL CARCINOMA
; FILE REFERENCE: 1049-1-008N
; CURRENT APPLICATION NUMBER: US/09/825,155
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 09/102,491
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/050,286
; PRIOR FILING DATE: 1997-06-20
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-825-155-5

Query Match 1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 82;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 343 GAAGATCTCAGAAATCC 361
DB 1 GAAGATCTCAGAAATCC 19

RESULT 54

US-09-825-155-9
Sequence 9, Application US/09825155
Publication No. US20030100032A1
GENERAL INFORMATION:
APPLICANT: Altaba, Ariel Ruiz
TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
FILE REFERENCE: 1049-1-008N
CURRENT APPLICATION NUMBER: US/09/825,155
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 09/102,491
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/050,286
PRIOR FILING DATE: 1997-06-20
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 9
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-825-155-9

Query Match 1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 82;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 167 AGATGCTGCTGCTAGTCC 185
DB 1 AGATGCTGCTGCTAGTCC 19

RESULT 55

US-10-098-263B-66408
Sequence 66408, Application US/10098263B
Publication No. US2003010410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 66408
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-098-263B-66408

Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 1.7e+02;

Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 886 CGACGGCGCCAAAGAGTCTTCTAC 910
DB 1 CGACGACCAACAGTAGGTCTTCGAC 25

RESULT 56

US-10-147-463-21
Sequence 21, Application US/10147463
Publication No. US20030059838A1
GENERAL INFORMATION:
APPLICANT: ARIYASU, Toshio
ORITA, Kunzo
TITLE OF INVENTION: HEDGEHOG PROTEIN
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: United States of America
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/147,463
FILING DATE: 17-May-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/617,545
FILING DATE: 14-Jul-2000
APPLICATION NUMBER: 09/063,778
FILING DATE: <Unknown>
APPLICATION NUMBER: JP 98-
FILING DATE: 14-APR-1998
ATTORNEY/AGENT INFORMATION:
NAME: Browdy, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: ARIYASU-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-5197
TELEFAX: (202) 737-35281
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-147-463-21

Query Match 1.2%; Score 18.4; DB 1; Length 20;
Best Local Similarity 95.0%; Pred. No. 1.1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 GGCTTCGACTGGGTGCTACTA 675
DB 1 GGCTTCGACTGGGTGCTACTA 20

RESULT 57

US-09-825-155-6/c
Sequence 6, Application US/09825155
Publication No. US20030100032A1
GENERAL INFORMATION:
APPLICANT: Altaba, Ariel Ruiz
TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
FILE REFERENCE: 1049-1-008N

```
; CURRENT APPLICATION NUMBER: US/09/825,155
; CURRENT FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 09/102,491
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/050,286
; PRIOR FILING DATE: 1997-06-20
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-825-155-6

Query Match      1.1%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1e+02; 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 0;

QY      559 GGAGTCTCTGCACTACGA 576
Db      18 GGAGTCTCTGCACTACGA 1

RESULT 58
US-10-150-429B-7
; Sequence 7, Application US/10150429B
; Publication No. US20030175383A1
; GENERAL INFORMATION:
; APPLICANT: Bojsen, Kirsten
; APPLICANT: Poulsen, Charlotte Horsmans
; APPLICANT: See, Jorn Borch
; TITLE OF INVENTION: METHOD OF IMPROVING DOUGH AND BREAD QUALITY
; FILE REFERENCE: YOU20078
; CURRENT APPLICATION NUMBER: US/10/150,429B
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US 60/347,007
; PRIOR FILING DATE: 2002-01-09
; PRIOR APPLICATION NUMBER: GB 0112226.6
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: (1)..(21)
; OTHER INFORMATION: Lipase primer JOM3
US-10-150-429B-7

Query Match      1.1%; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 1.5e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1020 GCTCGGGGCGCCCTTCGGGG 1040
Db      1 GCTCGTGTGCGCTTCGGGG 21

RESULT 59
US-09-992-665-157
; Sequence 157, Application US/09992665
; Publication No. US20030092009A1
; GENERAL INFORMATION:
; APPLICANT: Kata Palm
; TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: CMINES.002A
; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT FILING DATE: 2001-11-13

; CURRENT APPLICATION NUMBER: 60/249,508
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 157
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe
US-09-992-665-157

Query Match      1.1%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 2.4e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      195 CGCTGCTGGTATGCTCGGACTGG 218
Db      1 CACTGCTGCTGCTGAGGACTGG 24

RESULT 60
US-10-098-263B-48877
; Sequence 48877, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 48877
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-48877

Query Match      1.1%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 2.4e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      61 AAGAGAGAGCGCACACGACAC 84
Db      2 AAGACAGAGACACACACATAC 25

RESULT 61
US-09-788-038-31/c
; Sequence 31, Application US/09788038
; Patent No. US20020072055A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; TITLE OF INVENTION: Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/788,038
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; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-837-621-31

Query Match          1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1305 CGCTCCTGGCTGCACATGGGCGCC 1327
DB 24 CACTCTCGCTGACTGGCGCAC 2

RESULT 63
US-10-278-437-12
; Sequence 12, Application US/10378437
; Publication No. US20030139590A1
; GENERAL INFORMATION:
; APPLICANT: Bonini, James A
; APPLICANT: Borowsky, Beth E
; APPLICANT: Adham, Nika
; APPLICANT: Boyle, No. US20030139590A11
; APPLICANT: Thompson, Thelma O.
; TITLE OF INVENTION: DNA Encoding SNORF25 Receptor
; FILE REFERENCE: 1795/56095-B/JPW/ADM
; CURRENT APPLICATION NUMBER: US/10/278,437
; CURRENT FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: ECT/US00/04413
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 09/387,699
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: US 09/255,376
; PRIOR FILING DATE: 1999-02-22
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 12
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer/ Probe
US-10-278-437-12

Query Match          1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 86.4%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1247 GTCATCGAGGAGCACAGCTGGG 1268
DB 3 GACAAAGAGGAGCACAGCTGGG 24

RESULT 64
US-10-372-696-31/c
; Sequence 31, Application US/10372696
; Publication No. US20030175780A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

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RESULT 66
US-10-001-844-5/c
; Sequence 5, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-001-844-5

Query Match 1.1%; Score 17; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0;

QY 729 CCAATCGGAGGCTGC 745
DB 17 CCAATCGGAGGCTGC 1

RESULT 67
US-10-188-869-21/c
; Sequence 21, Application US/10188869
; Publication No. US20030149306A1
; GENERAL INFORMATION:
; APPLICANT: LAVALLIE, EDWARD
; APPLICANT: RACIE, LISA
; APPLICANT: DIBLASIO, ELIZABETH
; APPLICANT: AGOSTINO, MICHAEL
; TITLE OF INVENTION: AGGREGASE MOLECULES
; FILE REFERENCE: 08702.0092-00000
; CURRENT APPLICATION NUMBER: US/10/188,869
; CURRENT FILING DATE: 2002-07-05
; PRIOR APPLICATION NUMBER: 60/349,133
; PRIOR FILING DATE: 2002-01-16
; PRIOR APPLICATION NUMBER: 60/303,051
; PRIOR FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-188-869-21

Query Match 1.1%; Score 16.8; DB 1; Length 22;
Best Local Similarity 90.0%; Pred. No. 2.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0;

QY 912 TGATGAGACGGCGGAGCG 931
DB 21 TGAGCGAGACGGCGGAGCG 2

RESULT 68
US-09-992-665-284/c
; Sequence 284, Application US/09992665
; Publication No. US20030092009A1
; GENERAL INFORMATION:
; APPLICANT: Kaia Palm
; TITLE OF INVENTION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
; FILE REFERENCE: CEMINES.002A

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; CURRENT APPLICATION NUMBER: US/09/992,665
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 60/249,508
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 380
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 284
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe
US-09-992-665-284

Query Match 1.1%; Score 16.8; DB 1; Length 24;
Best Local Similarity 90.0%; Pred. No. 2.8e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1303 CGCGCTCTCTGCTGCACTGG 1322
DB 20 CGCGCTCTCTGCTGCACTAG 1

RESULT 69

US-09-797-862-23/c
; Sequence 23, Application US/09/97862
; Patent No. US20020102276A1
; GENERAL INFORMATION:
; APPLICANT: PEAK, IAN RICHARD ANSELM
; APPLICANT: JENNINGS, MICHAEL PAUL
; APPLICANT: MOXON, E, RICHARD
; TITLE OF INVENTION: NOVEL SURFACE ANTIGEN
; FILE REFERENCE: 085064/0134
; CURRENT APPLICATION NUMBER: US/09/797,862
; CURRENT FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: PCT/AU98/01031
; PRIOR FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: GB 9726398.2
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide primer for PCR
US-09-797-862-23

Query Match 1.0%; Score 16.4; DB 1; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.8e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 329 GGAAGGTTATGAAGGGAAG 346
DB 18 GGAAGGTTTGAAGGGAAG 1

RESULT 70

US-10-100-608B-12/c
; Sequence 12, Application US/10100608B
; Publication No. US20030104412A1
; GENERAL INFORMATION:
; APPLICANT: Heiskala, Marja
; TITLE OF INVENTION: REG-LIKE PROTEIN
; FILE REFERENCE: CDS-261
; CURRENT APPLICATION NUMBER: US/10/100,608B
; CURRENT FILING DATE: 2002-09-10
; PRIOR APPLICATION NUMBER: 60/276,414
; PRIOR FILING DATE: 2002-03-16
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Primer
US-10-100-608B-12

Query Match 1.0%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 2.2e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1249 CATCAGGAGCAGCAGCTG 1266
DB 18 CATCAGGAGCAGCAGCTG 1

RESULT 71

US-09-798-058-13
; Sequence 13, Application US/09798058
; Patent No. US20020098523A1
; GENERAL INFORMATION:
; APPLICANT: Vaughan, Tristan John
; APPLICANT: Wilton, Alison Jane
; APPLICANT: Smith, Stephen
; APPLICANT: Main, Sarah Helen
; TITLE OF INVENTION: Human antibodies against eotaxin and their use
; FILE REFERENCE: 84632-000100
; CURRENT APPLICATION NUMBER: US/09/798,058
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: US 60/187,246
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-798-058-13

Query Match 1.0%; Score 16.4; DB 1; Length 21;
Best Local Similarity 94.4%; Pred. No. 2.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 763 GGTGCACCTGGAGCAGGG 780
DB 4 GGTGCTCTCTGGAGCAGGG 21

RESULT 72

US-09-828-034-10/c
; Sequence 10, Application US/09828034
; Patent No. US20020064771A1
; GENERAL INFORMATION:
; APPLICANT: Zhong, Weidong
; APPLICANT: Hong, Zhi
; APPLICANT: Ferrari, Eric
; TITLE OF INVENTION: HCV REPLICASE COMPLEXES
; FILE REFERENCE: IN01165
; CURRENT APPLICATION NUMBER: US/09/828,034
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: U.S. 60/195,852
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
US-09-828-034-10

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1364 GACCGCGGCGCGCGCGCGC 1384
Db 21 GCGCGCGCGCGCGCGCGC 1

RESULT 73

US-09-788-038-32
; Sequence 32, Application US/09788038
; Patent No. US20020072055A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/788,038
; FILING DATE: 16-Feb-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/226,683
; FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Hanley, Elizabeth A.
REGISTRATION NUMBER: 33,505
REFERENCE/DOCKET NUMBER: UIZ-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 32:

SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-788-038-32

Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1307 CTCCTCGCTGCACTGGCGGCC 1327
Db 1 CTCCTCGCTGCACTGGCGCAC 21

RESULT 74

US-09-788-038-35/c
; Sequence 35, Application US/09788038
; Patent No. US20020072055A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/788,038
FILING DATE: 16-Feb-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/226,683
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Hanley, Elizabeth A.
REGISTRATION NUMBER: 33,505
REFERENCE/DOCKET NUMBER: UIZ-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-788-038-35

Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1307 CTCCTCGCTGCACTGGCGGCC 1327
Db 22 CTCCTCGCTGCACTGGCGCAC 2

RESULT 75

US-09-837-621-32
; Sequence 32, Application US/09837621
; Publication No. US20030044784A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA Sequencing
; Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/837,621
; FILING DATE: 17-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/035,183
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:

STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/372,696
FILING DATE: 24-Feb-2003
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/742,755A
FILING DATE: 01-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hanley, Elizabeth A.
REGISTRATION NUMBER: 33,505
REFERENCE/DOCKET NUMBER: UIZ-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-10-372-696-35

Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1307 CTCCTGGCTGCACTGGCGGCC 1327
DB 22 CTCCTGGCTGCACTGGCGCAC 2

RESULT 79
US-09-791-406-46/c
; Sequence 46, Application US/09791406
; Patent No. US20020147165A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Robert Rothlein
; APPLICANT: Takashi Kei Kishimoto
; APPLICANT: Lex M. Cowseert
; TITLE OF INVENTION: ANTISENSE MODULATION OF CALRETICULIN EXPRESSION
; FILE REFERENCE: RTS-0097
; CURRENT APPLICATION NUMBER: US/09/791,406
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 46
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-406-46

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 525 CCGAGGGCTGGGACGAGA 543
DB 19 CCGAGGACTGGGATGAGA 1

RESULT 80

US-09-888-326-410
; Sequence 410, Application US/09888326
; Publication No. US20030026801A1

; GENERAL INFORMATION:
; APPLICANT: Weiner, George
; APPLICANT: Hartmann, Gunther
; TITLE OF INVENTION: Methods for Enhancing Antibody-Induced
; TITLE OF INVENTION: Cell Lysis and Treating Cancer
; FILE REFERENCE: C1039/7052 (AWS)
; CURRENT APPLICATION NUMBER: US/09/888,326
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: US 60/213,346
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 848
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 410
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (0)..(0)
; OTHER INFORMATION: phosphodiester backbone
US-09-888-326-410

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGCGCGCGGCGAG 1386
DB 2 GCGGGGCGCGCGCGGCGG 20

RESULT 81

US-09-776-479-243
; Sequence 243, Application US/09776479
; Publication No. US20030087848A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen, Deanna M.
; APPLICANT: Fouron, Yves
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Treatment of Asthma and Allergy
; FILE REFERENCE: C1037/7013 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/09/776,479
; CURRENT FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 60/179,991
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 243
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-776-479-243

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGCGCGCGGCGAG 1386
DB 2 GCGGGGCGCGCGCGGCGG 20

RESULT 82

US-09-915-814-105
; Sequence 105, Application US/09915814
; Publication No. US20030096771A1

```
; GENERAL INFORMATION:
; APPLICANT: Madeline M. Butler
; APPLICANT: Andrew T. Watt
; APPLICANT: Susan M. Freier
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF HORMONE-SENSITIVE LIPASE EXPRESSION
; FILE REFERENCE: ISPH-0587
; CURRENT APPLICATION NUMBER: US/09/915,814
; CURRENT FILING DATE: 2001-07-26
; NUMBER OF SEQ ID NOS: 230
; SEQ ID NO 105
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-915-814-105

Query Match          1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 481 CATCTGGTGATCAACCAG 499
Db 1 CATCTGGTGATGTTCCAG 19

RESULT 83
US-09-851-871-26/c
; Sequence 26, Application US/09851871
; Publication No. US20030176374A1
; GENERAL INFORMATION:
; APPLICANT: Bennett, Clarence Frank
; APPLICANT: Vickers, Timothy A.
; APPLICANT: Karras, James G.
; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
; FILE REFERENCE: Modulation of the Expression of B7 Protein
; CURRENT APPLICATION NUMBER: US/09/851,871
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: PCT/US00/14471
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 09/326,186
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 08/777,266
; PRIOR FILING DATE: 1996-12-31
; NUMBER OF SEQ ID NOS: 284
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-851-871-26

Query Match          1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 898 GAAGGTCTTCTACGTGTC 916
Db 19 GAGGTCTTCTACGTGAGC 1

RESULT 84
US-10-112-653-235
; Sequence 235, Application US/10112653
; Publication No. US20030050268A1
; GENERAL INFORMATION:
; APPLICANT: Krieg, Arthur M.
; APPLICANT: Beig, Daniel J.
; TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
```

```
; TITLE OF INVENTION: TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
; FILE REFERENCE: C01039/70060(AWS)
; CURRENT APPLICATION NUMBER: US/10/112,653
; CURRENT FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/279,642
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 1040
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 235
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-112-653-235

Query Match          1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGCAG 1386
Db 2 GCGGCGGCGGCGGCGGCGG 20

RESULT 85
US-10-017-995-243
; Sequence 243, Application US/10017995
; Publication No. US20030055014A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
; FILE REFERENCE: C1037/7025 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/017,995
; CURRENT FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: US 60/255,534
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 243
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-017-995-243

Query Match          1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGCAG 1386
Db 2 GCGGCGGCGGCGGCGGCGG 20

RESULT 86
US-09-984-183-22
; Sequence 22, Application US/09984183
; Patent No. US20020142983A1
; GENERAL INFORMATION:
; APPLICANT: AGRAWAL, BABITA
; APPLICANT: LONGENECKER, MICHAEL B.
; TITLE OF INVENTION: MUC-1 ANTAGONISTS AND METHODS OF TREATING IMMUNE
; FILE REFERENCE: DISORDERS
; FILE REFERENCE: 042881/0130
; CURRENT APPLICATION NUMBER: US/09/984,183
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/457,354
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/111,973
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 30
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-984-183-22

Query Match          1.0%; Score 15.8; DB 1; Length 21;
Best Local Similarity 89.5%; Pred. No. 3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 731 AATCGGAGGCTGCTTC 749
Db 3 ATATCGAGAGGCTGCTTC 21

RESULT 87
US-09-848-754A-870
; Sequence 870, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH900-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 870
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-870

Query Match          1.0%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 2.2e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 31 GGGGAGCGGAGCGGAG 47
Db 1 GGGAGAGCGGAGCGGAG 17

RESULT 88
US-09-500-700-68
; Sequence 68, Application US/09500700
; Publication No. US20030059767A1
; GENERAL INFORMATION:
; APPLICANT: THE SCRIPPS RESEARCH INSTITUTE
; APPLICANT: BARBAS III, Carlos F.
; APPLICANT: GOTTESFELD, Joel M.
; APPLICANT: WRIGHT, Peter B.
; TITLE OF INVENTION: ZINC FINGER PROTEIN DERIVATIVES AND METHODS THEREFOR
; FILE REFERENCE: SCRIPI1160-4
; CURRENT APPLICATION NUMBER: US/09/500,700
; PRIOR FILING DATE: 2003-01-10
; PRIOR FILING DATE: 1997-05-27
; PRIOR FILING DATE: US 08/863,813
; PRIOR APPLICATION NUMBER: US 08/676,318
; PRIOR FILING DATE: 1996-12-30
; PRIOR APPLICATION NUMBER: PCT/US95/00829
; PRIOR FILING DATE: 1995-01-18
; PRIOR APPLICATION NUMBER: US 08/312,604
; PRIOR FILING DATE: 1994-09-28
; PRIOR APPLICATION NUMBER: US 08/183,119
; PRIOR FILING DATE: 1994-01-18
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 68
; LENGTH: 18

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: (GCG)6 probe
US-09-500-700-68

Query Match          1.0%; Score 15.4; DB 1; Length 18;
Best Local Similarity 94.1%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGC 1384
Db 1 GCGGCGGCGGCGGCGGC 17

RESULT 89
US-10-314-405-45
; Sequence 45, Application US/10314405
; Publication No. US20030108940A1
; GENERAL INFORMATION:
; APPLICANT: Hidetoshi, Inoko
; APPLICANT: Gen, Tamiya
; APPLICANT: Yasunari, Matsuzaka
; TITLE OF INVENTION: NOVEL POLYMORPHIC MICROSATELLITE MARKERS IN THE HUMAN MHC CLASS
; FILE REFERENCE: 06501-069001
; CURRENT APPLICATION NUMBER: US/10/314,405
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: US/09/713,616
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-314-405-45

Query Match          1.0%; Score 15.4; DB 1; Length 18;
Best Local Similarity 94.1%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGC 1384
Db 1 GCGGCGGCGGCGGCGGC 17

RESULT 90
US-10-126-355-60
; Sequence 60, Application US/10126355
; Publication No. US2003018965A1
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF HYDROXYSTEROID
; TITLE OF INVENTION: 11-BETA DEHYDROGENASE 1 EXPRESSION
; FILE REFERENCE: R1S-0428
; CURRENT APPLICATION NUMBER: US/10/126,355
; CURRENT FILING DATE: 2002-04-19
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-126-355-60

Query Match          1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1470 ACCAAATAGGCACCTGGCTC 1489
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-126-355-60
```

Db 1 ATCACCAGGACCTGGCTC 20

RESULT 91

US-10-125-181-8
; Sequence 8, Application US/10125181
; Publication No. US20020187954A1

GENERAL INFORMATION:

APPLICANT: WRIGHT, Jim A.
APPLICANT: YOUNG, Aiping H.

APPLICANT: LEE, Yoon S.

TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR II ANTISENSE

TITLE OF INVENTION: OLIGONUCLEOTIDE

TITLE OF INVENTION: SEQUENCES AND METHODS OF USING SAME TO MODULATE CELL

TITLE OF INVENTION: GROWTH

FILE REFERENCE: 032396-046

CURRENT APPLICATION NUMBER: US/10/125,181

CURRENT FILING DATE: 2002-04-17

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/295,593

PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-22

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,791

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-23

NUMBER OF SEQ ID NOS: 37

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 8

LENGTH: 20

TYPE: DNA

ORGANISM: Human

US-10-125-181-8

Query Match

Best Local Similarity 1.0%; Score 15.2; DB 1; Length 20;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1540 AAGCCGGGGCCGGGGGAG 1559

Db 1 ACGTCGAGGGCCCGGGGAG 20

RESULT 92

US-10-122-434-7/c

; Sequence 7, Application US/10122434

; Publication No. US20030078402A1

GENERAL INFORMATION:

APPLICANT: LEOR G.J. FRENKEN

APPLICANT: CORNELIS P.E. VAN DER LOGT

TITLE OF INVENTION: METHOD FOR PRODUCING ANTIBODY FRAGMENTS

FILE REFERENCE: 60113/266062 - T3076(C)

CURRENT APPLICATION NUMBER: US/10/122,434

CURRENT FILING DATE: 2002-04-16

PRIOR APPLICATION NUMBER: 09/487,253

PRIOR FILING DATE: 2000-01-19

NUMBER OF SEQ ID NOS: 39

SOFTWARE: MS Word

SEQ ID NO 7

LENGTH: 20

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: PRIMER

US-10-122-434-7

Query Match

Best Local Similarity 1.0%; Score 15.2; DB 1; Length 20;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 769 CCTGGAGCGGGCGGACCA 788

Db 20 CCTGGAGCGGGCGGACCA 1

RESULT 93

US-09-969-373-3868

; Sequence 3868, Application US/09969373

; Patent No. US20020133852A1

GENERAL INFORMATION:

APPLICANT: Effertz, Roger J.

APPLICANT: Hauge, Brian M.

TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping

FILE REFERENCE: 38-10(52679)A

CURRENT APPLICATION NUMBER: US/09/969,373

CURRENT FILING DATE: 2001-10-02

PRIOR APPLICATION NUMBER: US 09/754,853

PRIOR FILING DATE: 2001-01-05

PRIOR APPLICATION NUMBER: US 09/760,427

PRIOR FILING DATE: 2001-01-13

PRIOR APPLICATION NUMBER: US 09/855,768

PRIOR FILING DATE: 2001-05-15

NUMBER OF SEQ ID NOS: 4593

SEQ ID NO 3868

LENGTH: 19

TYPE: DNA

ORGANISM: Glycine max

US-09-969-373-3868

Query Match

Best Local Similarity 0.9%; Score 14.8; DB 1; Length 19;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGAG 29

Db 1 AACGAGGAGAGAGAGAG 18

RESULT 94

US-09-920-033-22/c

; Sequence 22, Application US/09920033

; Publication No. US20030087853A1

GENERAL INFORMATION:

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION

FILE REFERENCE: ISPH-0592

CURRENT APPLICATION NUMBER: US/09/920,033

CURRENT FILING DATE: 2001-08-01

NUMBER OF SEQ ID NOS: 123

SEQ ID NO 22

LENGTH: 20

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Antisense Oligonucleotide

US-09-920-033-22

Query Match

Best Local Similarity 0.9%; Score 14.8; DB 1; Length 20;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGCGAG 168

Db 19 GCTGCTGCTGCTGCGGG 2

RESULT 95

US-10-388-263-554/c

; Sequence 554, Application US/10388263

; Publication No. US20030228597A1

GENERAL INFORMATION:

APPLICANT: Cowsett, Lex M.

APPLICANT: Baker, Brenda F.

APPLICANT: McNeill, John

APPLICANT: Freier, Susan M.

APPLICANT: Sasmor, Henri M.

APPLICANT: Brooks, Douglas G.

APPLICANT: Ohashi, Cara

APPLICANT: Wyatt, Jacqueline R.

; APPLICANT: Borchers, Alexander
 ; APPLICANT: Vickers, Timothy A.
 ; TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
 ; TITLE OF INVENTION: MODULATION BY OLIGONUCLEOTIDES AND
 ; TITLE OF INVENTION: GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
 ; FILE REFERENCE: ISIS-4503
 ; CURRENT APPLICATION NUMBER: US/10/388,263
 ; CURRENT FILING DATE: 2003-03-12
 ; NUMBER OF SEQ ID NOS: 947
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 554
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Antisense Oligonucleotide
 US-10-388-263-554

Query Match 0.9%; Score 14.8; DB 1; Length 20;
 Best Local Similarity 88.9%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGGCGAG 168
 |||||
 Db 19 GCTGCTGCTGCTGGCGGG 2

RESULT 96

US-10-052-390B-12/c
 ; Sequence 12, Application US/10052390B
 ; Publication No. US20030148970A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Besterman, Jeffery M.
 ; APPLICANT: Bonfils, Claire
 ; APPLICANT: Li, Zuomei
 ; APPLICANT: Woo, Soon H.
 ; APPLICANT: Vaisburg, Arkadii
 ; APPLICANT: Delorme, Daniel
 ; APPLICANT: Fournel, Martelle
 ; APPLICANT: Lavoie, Rico
 ; TITLE OF INVENTION: Methods for Specifically Inhibiting Histone Deacetylase-4
 ; FILE REFERENCE: MET-004US1
 ; CURRENT APPLICATION NUMBER: US/10/052,390B
 ; CURRENT FILING DATE: 2003-01-14
 ; PRIOR APPLICATION NUMBER: US 60/261,674
 ; PRIOR FILING DATE: 2001-01-12
 ; NUMBER OF SEQ ID NOS: 19
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 12
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-052-390B-12

Query Match 0.9%; Score 14.8; DB 1; Length 20;
 Best Local Similarity 88.9%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1405 AGGTGCTGCCGACGCTCC 1422
 |||||
 Db 18 AGGTGCTGCCGCGCTGC 1

RESULT 97

US-10-051-819B-12/c
 ; Sequence 12, Application US/10051819B
 ; Publication No. US20030152557A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Besterman, Jeffery M.
 ; APPLICANT: Bonfils, Claire
 ; APPLICANT: Li, Zuomei
 ; APPLICANT: Woo, Soon
 ; APPLICANT: Vaisburg, Arkadii

; APPLICANT: Delorme, Daniel
 ; APPLICANT: Fournel, Martelle
 ; APPLICANT: Lavoie, Rico
 ; TITLE OF INVENTION: Methods for Specifically Inhibiting Histone Deacetylase-4
 ; FILE REFERENCE: MET-002US1
 ; CURRENT APPLICATION NUMBER: US/10/051,819B
 ; CURRENT FILING DATE: 2003-01-21
 ; PRIOR APPLICATION NUMBER: US 60/261,674
 ; PRIOR FILING DATE: 2001-01-12
 ; NUMBER OF SEQ ID NOS: 19
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 12
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-051-819B-12

Query Match 0.9%; Score 14.8; DB 1; Length 20;
 Best Local Similarity 88.9%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1405 AGGTGCTGCCGACGCTCC 1422
 |||||
 Db 18 AGGTGCTGCCGCGCTGC 1

RESULT 98

US-10-053-645A-28
 ; Sequence 28, Application US/10053645A
 ; Publication No. US20030176376A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Robert E. Klem
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING A
 ; TITLE OF INVENTION: CELL-PROLIFERATIVE DISORDER USING CEE DECOY OLIGOMERS, BCL-2
 ; TITLE OF INVENTION: ANTISENSE OLIGOMERS, AND HYBRID OLIGOMERS THEREOF
 ; FILE REFERENCE: 10412-022-999
 ; CURRENT APPLICATION NUMBER: US/10/053,645A
 ; CURRENT FILING DATE: 2002-01-22
 ; PRIOR APPLICATION NUMBER: 60/263,244
 ; PRIOR FILING DATE: 2001-01-22
 ; NUMBER OF SEQ ID NOS: 43
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 28
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of artificial sequence: Synthetic Antisense
 ; OTHER INFORMATION: Oligonucleotide
 US-10-053-645A-28

Query Match 0.9%; Score 14.8; DB 1; Length 20;
 Best Local Similarity 88.9%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1371 GCGCGCGCGCGCGCAGAG 1388
 |||||
 Db 2 GCGCGCGCGCGCGCAGCG 19

RESULT 99

US-10-305-810-43
 ; Sequence 43, Application US/10305810
 ; Publication No. US20030176385A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ju, Jingfang
 ; APPLICANT: Huang, Chunli
 ; APPLICANT: Zhong, Haibong
 ; APPLICANT: Simons, Jan Fredrik
 ; APPLICANT: Tailon, Bruce E.
 ; APPLICANT: Chant, John S.
 ; APPLICANT: Peyman, John A.
 ; APPLICANT: Smithson, Glennda

APPLICANT: Millet, Isabelle
TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN EXPRESSION
FILE REFERENCE: 21402-501
CURRENT APPLICATION NUMBER: US/10/305,810
PRIOR FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/334,148
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: 60/336,572
PRIOR FILING DATE: 2001-12-04
PRIOR APPLICATION NUMBER: 09/625,634
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/192,838
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/194,256
PRIOR FILING DATE: 2000-04-03
PRIOR APPLICATION NUMBER: 09/957,187
PRIOR FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/233,798
PRIOR FILING DATE: 2000-09-19
PRIOR APPLICATION NUMBER: 09/970,813
PRIOR FILING DATE: 2001-10-04
PRIOR APPLICATION NUMBER: 60/182,637
PRIOR FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: 60/240,316
PRIOR FILING DATE: 2000-10-13
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 47
SOFTWARE: CuraseqList version 0.1
SEQ ID NO 43
LENGTH: 20
TYPE: DNA
ORGANISM: IL-8-AS1
US-10-305-810-43

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 118 GGACAGCTCGGAGTCAT 135
Db 3 GGCCAGCTTGGAGTCAT 20

RESULT 100

US-10-147-196-22/c
Sequence 22, Application US/10147196
Publication No. US20030215943A1
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION
FILE REFERENCE: ISPH-0664
CURRENT APPLICATION NUMBER: US/10/147,196
CURRENT FILING DATE: 2002-05-15
NUMBER OF SEQ ID NOS: 124
SEQ ID NO 22
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-147-196-22

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 151 GATGCTGCTGCTGCGAG 168
Db 19 GCTGCTGCTGCTGCGAG 2

RESULT 101

US-09-887-145-29/c
Sequence 29, Application US/09887145
Publication No. US20030082139A1
GENERAL INFORMATION:
APPLICANT: Kim, Seung U
TITLE OF INVENTION: Immortalized human microglia cell and continuous cell line
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: Dell PC
OPERATING SYSTEM: MS DOS
SOFTWARE: Microsoft Word version 97
CURRENT APPLICATION NUMBER: US/09/887,145
FILING DATE: 22-Jun-2001
CLASSIFICATION: Unknown
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: UBC-002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-887-145-29
Query Match 0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 118 GGACAGCTCGGAGTCAT 135
Db 18 GGCCAGCTTGGAGTCAT 1

RESULT 102
US-09-866-108-10651/c
Sequence 10651, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wenaheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AECMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30

```

; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 10651
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10651

```

```

Query Match      0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 991 GCCCACCAGGGAGGCC 1006
    |||||
Db 17 GCCCACCAGGGAGGCC 2

```

RESULT 103

```

US-09-866-108-10652/c
; Sequence 10652, Application US/09866108
; Patent No. US2002004800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30

```

```

; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 10652
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10652

```

```

Query Match      0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 991 GCCCACCAGGGAGGCC 1006
    |||||
Db 16 GCCCACCAGGGAGGCC 1

```

RESULT 104

```

US-09-848-754A-2143
; Sequence 2143, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2143
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-2143

```

```

Query Match      0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 30 CGGCGAGAGCCGAGCG 45
    |||||
Db 2 CGGAGAGAGCCGAGCG 17

```

RESULT 105

```

US-09-848-754A-3086
; Sequence 3086, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBH00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3086
; LENGTH: 17
; TYPE: RNA

```

```

; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 10651
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10651

```

```

Query Match      0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 991 GCCCACCAGGGAGGCC 1006
    |||||
Db 17 GCCCACCAGGGAGGCC 2

```

; ORGANISM: Homo sapiens
US-09-848-754A-3086

Query Match 0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. NO. 3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels

Qy 32 GCGAGCCGAGCGAG 47
Db 1 GCAGAGCCGAGCGAG 16

RESULT 106

```

US-10-238-700-2801
; Sequence 2801, Application US/10238700
; Publication No. US2003015321A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: MGSwigen, James
; TITLE OF INVENTION: Nucleic Acid Treatment
; FILE REFERENCE: 400/057 (MHH01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PC/US 02/16940
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2801
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-2801

```

```
Query Match          0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. NO.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Qy 1369 CGGGGCGGCGCGGC 1384
Db 1 CGGGGCGGCGCGGC 16

RESIN, T 107

```

US-10-156-306-5214
; Sequence 5214, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals,
; APPLICANT: McGswiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic
; TITLE OF INVENTION: Levels of IKK-Gamma
; FILE REFERENCE: MBHR01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5214
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5214

```

```

Query Match          0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3e+02;
Matches 13: Conservative 2; Mismatches 1; Indels 0; Gaps 0;

```

Qy 1133 CTGCCCGCCGCTGTGC 1148
db 1 CCGCCCGCCGCTGTGC 16

RESULT 108

```

US-10-156-306-6011
; Sequence 6011, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McGswiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid
; TITLE OF INVENTION: Levels of IKK-Gamma
; FILE REFERENCE: MBH01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6011
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-6011

```

Query Match 0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 3e+02;
Matches 13: Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1132 CCTGCCCGCCGCTGTG 1147
Db 2 CCGGCCCGCCGCTGTG 17

RESULT 109

```

US-10-156-306-6012
; Sequence 6012, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: MCSwigen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid
; TITLE OF INVENTION: Levels of IKK-gamma
; FILE REFERENCE: MBH03-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6012
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-6012

```

```
Query Match      0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. NO.3e+02;
Matches 13; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

QY 1135 GCCCGCCGCTGTGCAC 1150
||| ||| ||| : |||
pb 2 GCCCGCCGCTGTGCAC 17

RESINT 110

US-03-918-186A-99/c
 ; Sequence 99, Application US/09918186A
 ; Patent No. US2002013708A1
 ; GENERAL INFORMATION:
 ; APPLICANT: C. Frank Bennett
 ; APPLICANT: Elizabeth J. Ackermann
 ; APPLICANT: Eric E. Swayze
 ; APPLICANT: Lex M. Cowart
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
 ; FILE REFERENCE: ISPH-0585
 ; CURRENT APPLICATION NUMBER: US/09/918,186A
 ; CURRENT FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: 09/496,694
 ; PRIOR FILING DATE: 2000-08-02

;/ PRIOR APPLICATION NUMBER: 09/286,407
;/ PRIOR FILING DATE: 1999-04-05
;/ PRIOR APPLICATION NUMBER: 09/163,162
;/ PRIOR FILING DATE: 1998-09-29
;/ NUMBER OF SEQ ID NOS: 250
;/ SEQ ID NO 99
;/ LENGTH: 18
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-186A-99

Query Match 0.9%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GCGGGCGGGCGGCGCA 1385
Db 18 GGTGGCGGGCGGCGCA 3

RESULT 111
US-09-961-077-1165/c
; Sequence 1165, Application US/09961077
; Publication No. US20030014775A1
; GENERAL INFORMATION:

; APPLICANT: Zwick, Michael G.
; Edington, Brent B.
; McSwiggen, James A.
; Merlo, Patricia Ann Owens
; Guo, Lining
; Skokut, Thomas A.
; Young, Scott A.
; Folkerts, Otto
; Merlo, Donald J.

;/ TITLE OF INVENTION: COMPOSITION AND METHODS FOR
;/ MODULATION OF GENE EXPRESSION
;/ IN PLANTS

;/ NUMBER OF SEQUENCES: 1263
;/ CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

;/ COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage

;/ COMPUTER: IBM Compatible
;/ OPERATING SYSTEM: IBM P.C. DOS 5.0
;/ SOFTWARE: Word Perfect 5.1

;/ CURRENT APPLICATION DATA: US/09/961,077
FILING DATE: 21-Sep-2001
CLASSIFICATION: <Unknown>

;/ PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/679,645

;/ FILING DATE: July 12, 1996
;/ APPLICATION NUMBER: 60/001,135
;/ FILING DATE: July 13, 1995
;/ APPLICATION NUMBER: 08/300,726
;/ FILING DATE: September 2, 1994

;/ ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247

;/ TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

;/ INFORMATION FOR SEQ ID NO: 1165:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 18 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 1165:
US-09-961-077-1165

Query Match 0.9%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1368 GCGGGCGGGCGGCGG 1383
Db 18 GCGGGCGGGCGGCGG 3

RESULT 112
US-09-791-243-11/c
; Sequence 11, Application US/09791243
; Patent No. US20020147164A1
; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett
; APPLICANT: Robert Rothlein
; APPLICANT: Takashi Kei Kishimoto
; APPLICANT: Lex M. Cowbert

;/ TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-1 EXPRESSION
;/ FILE REFERENCE: RTS-0095
;/ CURRENT APPLICATION NUMBER: US/09/791,243
;/ CURRENT FILING DATE: 2001-02-22

;/ NUMBER OF SEQ ID NOS: 89
;/ SEQ ID NO 11
;/ LENGTH: 20
;/ TYPE: DNA

;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Antisense Oligonucleotide

US-09-791-243-11

Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 4.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 32 GCGGAGCGGAGCGAG 47
Db 19 GCGGAGCGGAGCGAG 4

RESULT 113
US-09-910-087-12/c
; Sequence 12, Application US/09910087
; Patent No. US20020055480A1
; GENERAL INFORMATION:

; APPLICANT: Koopman, Peter
; Goodfellow, Peter

;/ TITLE OF INVENTION: SOX-9 GENE AND PROTEIN AND
;/ USE IN THE REGENERATION OF BONE OR CARTILAGE

;/ NUMBER OF SEQUENCES: 21
;/ CORRESPONDENCE ADDRESS:

ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: NY
COUNTRY: U.S.A.

;/ ZIP: 11530
;/ COMPUTER READABLE FORM:

;/ MEDIUM TYPE: Diskette
;/ COMPUTER: IBM Compatible
;/ OPERATING SYSTEM: DOS
;/ SOFTWARE: FastSeq Version 1.5

;/ CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/910,087

;; FILING DATE: 20-Jul-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: AU PM9714
;; FILING DATE: 29-NOV-1994
;; APPLICATION NUMBER: AU PM9835
;; FILING DATE: 05-DEC-1994
;; APPLICATION NUMBER: PCT/AU95/00799
;; FILING DATE: 29-NOV-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Digiglio, Frank S.
;; REGISTRATION NUMBER: 31,346
;; REFERENCE/DOCKET NUMBER: 10981
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 516-742-4343
;; TELEFAX: 516-742-4366
;; TELEX: <Unknown>
;; INFORMATION FOR SEQ ID NO: 12:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 19 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-910-087-12

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 850 GCTCTACAGCGACTTCTC 868
DB 19 GTTCTTACCGACTTCTC 1

RESULT 114
US-09-938-795A-18
; Sequence 18, Application US/09938795A
; Publication No. US20030045688A1
; GENERAL INFORMATION:
; APPLICANT: CHU, CHARLES CHIYUAN
; APPLICANT: CHAVAN, SANGEETA S.
; APPLICANT: MASON, JAMES M.
; TITLE OF INVENTION: HUMAN INTERLEUKIN-FOUR INDUCED PROTEIN
; FILE REFERENCE: ILJ-9000-US
; CURRENT APPLICATION NUMBER: US/09/938,795A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227,818
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-938-795A-18

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1515 TGGGCATGGCGGTCAAGTC 1533
DB 1 TGGAGACGGCGGTCAAGTC 19

RESULT 115
US-09-791-190A-16
; Sequence 16, Application US/09791190A
; Publication No. US20030104372A1

;; GENERAL INFORMATION:
; APPLICANT: Pyrosequencing AB
; APPLICANT: Amadian, Afshin
; APPLICANT: Lundeborg, Joakim
; APPLICANT: Nyren, Pal
; TITLE OF INVENTION: Allele Specific Primer Extension Assay
; FILE REFERENCE: Docket 14259
; CURRENT APPLICATION NUMBER: US/09/791,190A
; CURRENT FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1..7)
; OTHER INFORMATION: Primer
US-09-791-190A-16

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1418 GCTCGGGGTGCGGGGCCA 1436
DB 1 GCTCGGTGTCAGGGGCCA 19

RESULT 116
US-10-244-647-9
; Sequence 9, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceutical, Inc.
; APPLICANT: Morrissey, David
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
; FILE REFERENCE: 400/060 (IMHB03-1000)
; CURRENT APPLICATION NUMBER: US/10/244,647
; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: PCT US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
US-10-244-647-9

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 52.6%; Pred. No. 4e+02;
Matches 10; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 173 CTGCTGCTAGTCTCTGCTCT 191
DB 1 CUGGUGUAUGCCUUAUCU 19

RESULT 117
US-10-244-647-655/c

; Sequence 655, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceutical, Inc.
; APPLICANT: Morrissey, David
; APPLICANT: McSwiggen, James
; APPLICANT: Belgelman, Leonid
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
; FILE REFERENCE: Short Interfering Nucleic Acid (siNA)
; FILE REFERENCE: 400/060 (MH802-1000)
; CURRENT APPLICATION NUMBER: US/10/244,647
; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: PCT US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 655
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-244-647-655

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 173 CTGCTGCTAGTCTGCTCT 191
DB 19 CTGCTGCTAGTCTGCTCT 1

RESULT 118
US-09-752-983-42/c
; Sequence 42, Application US/09752983
; Patent No. US20010016575A1
; GENERAL INFORMATION:
; APPLICANT: Loren J. Miraglia, Pamela Nero, Mark J.
; APPLICANT: Graham, Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF HUMAN MDX2
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 271
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: U.S.A.
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PC
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/752,983
; FILING DATE: 02-Jan-2001
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/280,805
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Licata, Jane Massey
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0346
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 609-810-1515
; TELEFAX: 609-810-1454
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-09-752-983-42

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 144 TGGCGGAGATGCTGCTGCT 162
DB 20 TGACCGAGATCTGCTGCT 2

RESULT 119
US-09-800-631-11/c
; Sequence 11, Application US/09800631
; Patent No. US2002008228A1
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXI
; FILE REFERENCE: ISPH-0544
; CURRENT APPLICATION NUMBER: US/09/800,631
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US/09/657,346
; PRIOR FILING DATE: 2000-09-07
; NUMBER OF SEQ ID NOS: 175
; SEQ ID NO 11
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-09-800-631-11

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 170 TGTCTGCTGCTAGTCTGCTCG 188
DB 20 TGCTGCGAGCTGCTGCTCG 2

RESULT 120
US-09-780-172-32
; Sequence 32, Application US/09780172
; Patent No. US20020147163A1
; GENERAL INFORMATION:
; APPLICANT: Robert McKay
; APPLICANT: Susan M. Freier
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA EXPRESSION
; FILE REFERENCE: RTS-0159
; CURRENT APPLICATION NUMBER: US/09/780,172
; CURRENT FILING DATE: 2001-02-08
; NUMBER OF SEQ ID NOS: 96
; SEQ ID NO 32
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-172-32

Query Match 0.9%; Score 14.2; DB 1; Length 20;

Best Local Similarity 84.2%; Pred. No. 4.4e+02; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 3;

QY 390 ACAACCCGACATCATATT 408
Db 2 AAATCCCTGACATCATATT 20

RESULT 121

US-09-870-002-20/c
; Sequence 20, Application US/09870002
; Publication No. US20030013670A1
; GENERAL INFORMATION:
; APPLICANT: Monia, B.P., Cowser, L.M. and Manoharan, M.
; TITLE OF INVENTION: Antisense Oligonucleotide Inhibition of ras
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM COMPATIBLE
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1 for WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/870,002
; FILING DATE: 30-May-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER: 09/575,554
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0463
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (856) 810-1515
; TELEFAX: (856) 810-1454
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 20

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGCGCGCGGCGAG 1386
Db 19 GCGGGCGCGCGGCGAG 1

RESULT 122

US-09-865-866-68
; Sequence 68, Application US/09865866
; Publication No. US20030045487A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) EX
; FILE REFERENCE: RFS-0221
; CURRENT APPLICATION NUMBER: US/09/865,866
; CURRENT FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 173

; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-865-866-68

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 329 GGAAGGTATGAAGGGAAGA 347
Db 1 GGAAGGTTCAGGGAAGA 19

RESULT 123

US-09-922-146-25/c
; Sequence 25, Application US/09922146
; Publication No. US20030083285A1
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowser
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 9 EXPRESSION
; FILE REFERENCE: RFS-0252
; CURRENT APPLICATION NUMBER: US/09/922,146
; CURRENT FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 25
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-922-146-25

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1298 GCGACGCGCTCTGGCTG 1316
Db 20 GTGGCGCGCTCTGGCTG 2

RESULT 124

US-10-388-263-746/c
; Sequence 746, Application US/10388263
; Publication No. US20030228597A1
; GENERAL INFORMATION:
; APPLICANT: Cowser, Lex M.
; APPLICANT: Baker, Brenda F.
; APPLICANT: McNeil, John
; APPLICANT: Freiler, Susan M.
; APPLICANT: Sasnor, Henri M.
; APPLICANT: Brooks, Douglas G.
; APPLICANT: Ohashi, Cara
; APPLICANT: Wyatt, Jacqueline R.
; APPLICANT: Borchers, Alexander
; APPLICANT: Vickers, Timothy A.
; TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
; MODULATION OF OLIGONUCLEOTIDES AND
; FILE REFERENCE: ISIS-4503
; CURRENT APPLICATION NUMBER: US/10/388,263
; CURRENT FILING DATE: 2003-03-12
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 746
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence

;
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-388-263-746

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 170 TGTCTGCTAGTCTCTCG 188
|||||
Db 20 TGTCTGCAGCTCGTCTTCG 2

RESULT 125

US-10-006-191-91/c
; Sequence 91, Application US/10006191
; Publication No. US2003014223A1

;
; GENERAL INFORMATION:

APPLICANT: William Gaarde

APPLICANT: Andrew T. Watt

;
; TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSION

;
; FILE REFERENCE: RTS-0274

;
; CURRENT APPLICATION NUMBER: US/10/006,191

;
; CURRENT FILING DATE: 2001-12-10

;
; NUMBER OF SEQ ID NOS: 153

;
; SEQ ID NO 91

;
; LENGTH: 20

;
; TYPE: DNA

;
; ORGANISM: Artificial Sequence

;
; FEATURE:

;
; OTHER INFORMATION: Antisense Oligonucleotide

US-10-006-191-91

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 6 GCAGCCAGCGAGGAGAGA 24
|||||
Db 19 GAAGCCAGAGAGTGAGAGA 1

RESULT 126

US-10-006-191-111
; Sequence 111, Application US/10006191
; Publication No. US2003014223A1

;
; GENERAL INFORMATION:

APPLICANT: William Gaarde

APPLICANT: Andrew T. Watt

;
; TITLE OF INVENTION: ANTISENSE MODULATION OF CONNECTIVE TISSUE GROWTH FACTOR EXPRESSION

;
; FILE REFERENCE: RTS-0274

;
; CURRENT APPLICATION NUMBER: US/10/006,191

;
; CURRENT FILING DATE: 2001-12-10

;
; NUMBER OF SEQ ID NOS: 153

;
; SEQ ID NO 111

;
; LENGTH: 20

;
; TYPE: DNA

;
; ORGANISM: Artificial Sequence

;
; FEATURE:

;
; OTHER INFORMATION: Antisense Oligonucleotide

US-10-006-191-111

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1451 TGGTACTCGCAGCTGCTCT 1469
|||||
Db 2 TGGTATTGCAGCTGCTTT 20

RESULT 127

US-09-961-756-45/c

;
; Sequence 45, Application US/09961756
; Publication No. US20030170253A1

;
; GENERAL INFORMATION:

APPLICANT: ERIKSSON, Ulf

APPLICANT: OLFSSON, Birgitta

APPLICANT: ALITALO, Kari

APPLICANT: PAJUSOLA, Katri

;
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND

;
; DNA CODING THEREFOR

;
; NUMBER OF SEQUENCES: 57

;
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.

STREET: 1200 G Street, N.W., Suite 700

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

;
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

;
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/961,756

FILING DATE: 25-Sep-2001

CLASSIFICATION: 435

;
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/609,443B

FILING DATE: 01-MAR-1996

APPLICATION NUMBER: US 08/397,651

FILING DATE: 01-MAR-1995

APPLICATION NUMBER: US 08/469,427

FILING DATE: 06-JUN-1995

APPLICATION NUMBER: US 08/569,063

FILING DATE: 06-DEC-1995

;
; ATTORNEY/AGENT INFORMATION:

NAME: EVANS, Joseph D

REGISTRATION NUMBER: 26,269

REFERENCE/DOCKET NUMBER: 1064/41979CF4

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-8800

TELEFAX: (202) 628-8844

;
; INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

;
; MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 45:

US-09-961-756-45

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1331 CGCAGCGACCGCGCGGG 1349
|||||
Db 19 CGCAGCTACTCGCGGGG 1

RESULT 128

US-09-851-871-154/c

;
; Sequence 154, Application US/09851871

;
; Publication No. US20030176374A1

;
; GENERAL INFORMATION:

APPLICANT: Bennett, Clarence Frank

APPLICANT: Vickers, Timothy A.

APPLICANT: Karrias, James G.

;
; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the

;
; Modulation of the Expression of B7 Protein

;
; FILE REFERENCE: ISPH-0543

;
; CURRENT APPLICATION NUMBER: US/09/851,871

; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: PCT/US00/14471
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 09/326,186
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 08/777,266
; PRIOR FILING DATE: 1996-12-31
; NUMBER OF SEQ ID NOS: 284
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 154
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-851-871-154

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 898 GAAGGTTCTTCTAGTGATC 916
||||| ||||| ||||| ||||| |||||
Db 19 GAAGGTTCTTCTGTGAC 1

RESULT 129

US-10-363-798-15/c
; Sequence 15, Application US/10363798
; Publication No. US20030180280A1
; GENERAL INFORMATION:
; APPLICANT: Kong, Xiangyin
; APPLICANT: Xiao, Shangxi
; APPLICANT: Zhao, Guoping
; APPLICANT: Yu, Chuan
; APPLICANT: Hu, Landian
; TITLE OF INVENTION: METHOD OF DIAGNOSING AND TREATING DENTINOGENESIS IMPERFECTA
; TITLE OF INVENTION: TYPE II USING DENTIN SIALOPHOSPHOPROTEIN GENE AND CODED
; FILE REFERENCE: 9548.78USWO
; CURRENT APPLICATION NUMBER: US/10/363,798
; CURRENT FILING DATE: 2003-03-05
; PRIOR APPLICATION NUMBER: CN 00125042.6
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-363-798-15

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 853 CTACAGCGACTTCCTCACT 871
||||| ||||| ||||| ||||| |||||
Db 20 CAACAGCGACATCCTCAT 2

RESULT 130

US-10-005-344-42/c
; Sequence 42, Application US/10005344
; Publication No. US20030203862A1
; GENERAL INFORMATION:
; APPLICANT: Loren J. Miraglia
; APPLICANT: Pamela Nero
; APPLICANT: Mark J. Graham
; APPLICANT: Brett P. Monia
; APPLICANT: Erich Koller

; APPLICANT: Mingyi Chiang
; APPLICANT: Mario Manoharan
; TITLE OF INVENTION: Antisense Modulation of mdm2 expression.
; FILE REFERENCE: ISPH-0622
; CURRENT APPLICATION NUMBER: US/10/005,344
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 09/048,810
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/280,805
; PRIOR FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 379
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-005-344-42

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 144 TGGCGGAGATCTCTCTGCT 162
||||| ||||| ||||| ||||| |||||
Db 20 TGACCGAGATCTCTCTGCT 2

RESULT 131

US-10-222-334-42/c
; Sequence 42, Application US/10222334
; Publication No. US20030073116A1
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Levy, Gallia
; APPLICANT: Tsai, Han-Mou
; TITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof
; FILE REFERENCE: UM-07288
; CURRENT APPLICATION NUMBER: US/10/222,334
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 60/312,834
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-222-334-42

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 4.4e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1393 CCTAACCGCTCCAGGTGCT 1411
||||| ||||| ||||| ||||| |||||
Db 20 CCTAGCCTCTCAGGTGTT 2

RESULT 132

US-10-293-783-11/c
; Sequence 11, Application US/10293783
; Publication No. US20030130222A1
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EX
; FILE REFERENCE: ISPH-0544
; CURRENT APPLICATION NUMBER: US/10/293,783
; CURRENT FILING DATE: 2002-11-13

; PRIOR APPLICATION NUMBER: US/09/800,631
 ; PRIOR FILING DATE: 2001-03-07
 ; PRIOR APPLICATION NUMBER: US/09/557,346
 ; PRIOR FILING DATE: 2000-09-07
 ; NUMBER OF SEQ ID NOS: 175
 ; SEQ ID NO 11
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: PCR Primer
 US-10-293-783-11

Query Match 0.9%; Score 14.2; DB 1; Length 20;
 Best Local Similarity 84.2%; Pred. No. 4.4e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 170 TGTCTGCTGCTAGTCTCTCG 188
 |||||
 Db 20 TGTCTGCAGCTGCTTTCG 2

RESULT 133

US-09-828-034-7
 ; Sequence 7, Application US/09828034
 ; Patent No. US20020064771A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Zhong, Weidong
 ; APPLICANT: Hong, Zhi
 ; APPLICANT: Ferrari, Eric
 ; TITLE OF INVENTION: HCV REPLICASE COMPLEXES
 ; FILE REFERENCE: IN01165
 ; CURRENT APPLICATION NUMBER: US/09/828,034
 ; CURRENT FILING DATE: 2001-04-06
 ; PRIOR APPLICATION NUMBER: U.S. 60/195,852
 ; PRIOR FILING DATE: 2000-04-06
 ; NUMBER OF SEQ ID NOS: 33
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 30
 ; TYPE: RNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
 US-09-828-034-7

Query Match 0.9%; Score 14.2; DB 1; Length 30;
 Best Local Similarity 70.4%; Pred. No. 7.9e+02;
 Matches 19; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 89 CCGCGGCACTCGCGCCGACCCGAC 115
 |||||
 Db 2 CCGCGCGCCCGCCCGCCCGCCG 28

RESULT 134

US-09-757-100B-37
 ; Sequence 37, Application US/09757100B
 ; Patent No. US20010034329A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Monia, Brett P.
 ; APPLICANT: Gaarde, William A.
 ; APPLICANT: Nero, Pamela S.
 ; TITLE OF INVENTION: Antisense Modulation of Focal Adhesion Kinase
 ; TITLE OF INVENTION: Expression
 ; FILE REFERENCE: ISPH-0533
 ; CURRENT APPLICATION NUMBER: US/09/757,100B
 ; CURRENT FILING DATE: 2001-03-15
 ; PRIOR APPLICATION NUMBER: 09/377,310
 ; PRIOR FILING DATE: 1998-08-19
 ; PRIOR APPLICATION NUMBER: PCT/US00/18999
 ; PRIOR FILING DATE: 2000-07-13
 ; NUMBER OF SEQ ID NOS: 44

; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 37
 ; LENGTH: 15
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: antisense sequence
 US-09-757-100B-37

Query Match 0.9%; Score 14; DB 1; Length 15;
 Best Local Similarity 100.0%; Pred. No. 2.6e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 191 TCCTCGCTGCTGCT 204
 |||||
 Db 1 TCCTCGCTGCTGCT 14

RESULT 135

US-10-440-850-167
 ; Sequence 167, Application US/10440850
 ; Publication No. US20030207837A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Stinchcomb, Dan
 ; APPLICANT: Jarvis, Thale
 ; APPLICANT: McSwiggen, Jim
 ; TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Revi
 ; TITLE OF INVENTION: Immune Responses
 ; FILE REFERENCE: 250/130 (MBHB00-900-A)
 ; CURRENT APPLICATION NUMBER: US/10/440,850
 ; CURRENT FILING DATE: 2003-05-13
 ; PRIOR APPLICATION NUMBER: US/09/650,012
 ; PRIOR FILING DATE: 2000-08-28
 ; PRIOR APPLICATION NUMBER: US 08/585,684
 ; PRIOR FILING DATE: 1996-01-12
 ; PRIOR APPLICATION NUMBER: US 60/000,951
 ; PRIOR FILING DATE: 1995-07-07
 ; PRIOR APPLICATION NUMBER: US 09/038,073
 ; PRIOR FILING DATE: 1998-03-11
 ; NUMBER OF SEQ ID NOS: 2285
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 167
 ; LENGTH: 15
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-10-440-850-167

Query Match 0.9%; Score 14; DB 1; Length 15;
 Best Local Similarity 64.3%; Pred. No. 2.6e+02;
 Matches 9; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 901 GGTCCTTCTACGTGA 914
 |||||
 Db 2 GGUCUUCUACGUGA 15

RESULT 136

US-09-870-956-17
 ; Sequence 17, Application US/09870956
 ; Patent No. US20020127669A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Knipp, Gregory T.
 ; APPLICANT: Herrera-Ruiz, Dea
 ; APPLICANT: Rutgers, The State University of New Jersey
 ; TITLE OF INVENTION: No. US20020127669A1e1 Compositions for the Expression of the Hu
 ; TITLE OF INVENTION: Histidine Transporter 1 and Methods of Use Thereof
 ; FILE REFERENCE: Rutgers 00-0126
 ; CURRENT APPLICATION NUMBER: US/09/870,956
 ; CURRENT FILING DATE: 2001-05-31
 ; PRIOR APPLICATION NUMBER: 60/208,061
 ; PRIOR FILING DATE: 2000-05-31
 ; NUMBER OF SEQ ID NOS: 56

; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 17
 ; LENGTH: 16
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Primer
 US-09-870-956-17

Query Match 0.9%; Score 14; DB 1; Length 16;
 Best Local Similarity 100.0%; Pred. No. 3e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 491 ATGAACCACTGGCC 504
 DB 1 ATGAACCACTGGCC 14

RESULT 137
 US-09-780-533A-1789
 ; Sequence 1789, Application US/09780533A
 ; Publication No. US20030060611A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Chowrira, Bharat
 ; APPLICANT: Haerberli, Pete
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
 ; FILE REFERENCE: MEH800,878-A (400/011)
 ; CURRENT APPLICATION NUMBER: US/09/780,533A
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: US 60/181,797
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 6679
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 1789
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-09-780-533A-1789

Query Match 0.9%; Score 14; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 3.4e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1373 GGCGGGCGGGCAG 1386
 DB 2 GGCGGGCGGGCAG 15

RESULT 138
 US-09-780-533A-2337
 ; Sequence 2337, Application US/09780533A
 ; Publication No. US20030060611A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ribozyme Pharmaceuticals, Inc.
 ; APPLICANT: Blatt, Larry
 ; APPLICANT: McSwiggen, Jim
 ; APPLICANT: Chowrira, Bharat
 ; APPLICANT: Haerberli, Pete
 ; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
 ; FILE REFERENCE: MEH800,878-A (400/011)
 ; CURRENT APPLICATION NUMBER: US/09/780,533A
 ; CURRENT FILING DATE: 2001-02-09
 ; PRIOR APPLICATION NUMBER: US 60/181,797
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 6679
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 2337
 ; LENGTH: 17
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens

US-09-780-533A-2337

Query Match 0.9%; Score 14; DB 1; Length 17;
 Best Local Similarity 100.0%; Pred. No. 3.4e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1373 GGCGGGCGGGCAG 1386
 DB 3 GGCGGGCGGGCAG 16

RESULT 139
 US-08-911-824-77/c
 ; Sequence 77, Application US/08911824
 ; Publication No. US20030004323A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Abbott Laboratories
 ; APPLICANT: Hackett, John R., Jr.
 ; APPLICANT: Yamaguchi, Julie
 ; APPLICANT: Golden, Alan M.
 ; APPLICANT: Brennan, Catherine A.
 ; APPLICANT: Hickman, Robert K.
 ; APPLICANT: Devare, Sushil G.
 ; TITLE OF INVENTION: NOVEL ANTIGEN CONSTRUCTS USEFUL IN THE
 ; DETECTION AND DIFFERENTIATION OF ANTIBODIES TO HIV
 ; FILE REFERENCE: 6165.US.01
 ; CURRENT APPLICATION NUMBER: US/08/911,824
 ; CURRENT FILING DATE: 1997-08-15
 ; NUMBER OF SEQ ID NOS: 121
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 77
 ; LENGTH: 18
 ; TYPE: DNA
 ; ORGANISM: Human Immunodeficiency Virus
 ; FEATURE:
 ; OTHER INFORMATION: HIV-1 Group O (env2SR) PCR reverse primer
 US-08-911-824-77

Query Match 0.9%; Score 14; DB 1; Length 18;
 Best Local Similarity 87.5%; Pred. No. 3.8e+02;
 Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 764 GTGCACCTGGAGCAGG 779
 DB 16 GTGCACCTGGAGTAGG 1

RESULT 140
 US-09-374-046A-201
 ; Sequence 201, Application US/09374046A
 ; Publication No. US20030096951A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobs, Kenneth
 ; APPLICANT: McCoy, John M.
 ; APPLICANT: Lavallie, Edward R.
 ; APPLICANT: Collins-Racie, Lisa A.
 ; APPLICANT: Evans, Cheryl
 ; APPLICANT: Merberg, David
 ; APPLICANT: Treacy, Maurice
 ; APPLICANT: Agostino, Michael J.
 ; APPLICANT: Steininger II, Robert J.
 ; APPLICANT: Spaulding, Vikki
 ; APPLICANT: Wong, Gordon G.
 ; APPLICANT: Clark, Hilary
 ; APPLICANT: Fachtel, Kim
 ; APPLICANT: Genetics Institute, Inc.
 ; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
 ; FILE REFERENCE: GI 6075-83A
 ; CURRENT APPLICATION NUMBER: US/09/374,046A
 ; CURRENT FILING DATE: 1999-08-13
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 201

; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-09-374-046A-201

Query Match 0.9%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 785 ACCAAGCTGGTGAA 798
Db 2 ACCAAGCTGGTGAA 15

RESULT 141

US-10-309-690-1
; Sequence 1, Application US/10309690
; Publication No. US20030138831A1
; GENERAL INFORMATION:
; APPLICANT: Kwagh, Jae-Gyu
; APPLICANT: Macklin, John J.
; APPLICANT: Mitsis, Paul G.
; APPLICANT: Ulmer, Kevin M.
; TITLE OF INVENTION: METHOD FOR SEQUENCING AND CHARACTERIZING POLYMERIC
; TITLE OF INVENTION: BIOMOLECULES USING APTAMERS AND A METHOD FOR PRODUCING
; TITLE OF INVENTION: APTAMERS
; FILE REFERENCE: PL/2CIP
; CURRENT APPLICATION NUMBER: US/10/309,690
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US/09/578,634
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/135,863
; PRIOR FILING DATE: 1999-05-25
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1...19
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: n is any one of
; OTHER INFORMATION: 5', a, t or c
US-10-309-690-1

Query Match 0.9%; Score 14; DB 1; Length 19;
Best Local Similarity 73.7%; Pred. No. 4.3e+02;
Matches 14; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1552 CGGGGAGGGCGCGGGAG 1570
Db 1 CGGGGAGGACGGGGAG 19

RESULT 142

US-10-001-844-40
; Sequence 40, Application US/10001844
; Publication No. US20030105041A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHH EXPRESSION
; FILE REFERENCE: ISPH-0617
; CURRENT APPLICATION NUMBER: US/10/001,844
; CURRENT FILING DATE: 2001-11-16
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 40
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-001-844-40

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1141 CGCTGTGCACGCG 1154
Db 7 CGCTGTGCACGCG 20

RESULT 143

US-09-757-100B-17
; Sequence 17, Application US/09757100B
; Patent No. US20010034329A1
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Gaarde, William A.
; APPLICANT: Nero, Pamela S.
; TITLE OF INVENTION: Antisense Modulation of Focal Adhesion Kinase
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0533
; CURRENT APPLICATION NUMBER: US/09/757,100B
; CURRENT FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 09/377,310
; PRIOR FILING DATE: 1999-08-19
; PRIOR APPLICATION NUMBER: PCT/US00/18999
; PRIOR FILING DATE: 2000-07-13
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 17
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-757-100B-17

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 191 TCCTCGCTGCTGCT 204
Db 3 TCCTCGCTGCTGCT 16

RESULT 144

US-09-888-615-131
; Sequence 131, Application US/09888615
; Patent No. US20020064856A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: WHYTE, DAVID
; APPLICANT: CHENEPEEL, SEAN
; APPLICANT: CHARYDCZAK, GLEN
; APPLICANT: MANNING, GERALD
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: NOVEL PROTEASES
; FILE REFERENCE: 038602/1214
; CURRENT APPLICATION NUMBER: US/09/888,615
; CURRENT FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: 60/214,047
; PRIOR FILING DATE: 2000-06-26
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 131

Search completed: December 23, 2003, 16:37:33
Job time : 29 secs

```
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SNP
US-09-888-615-131

Query Match      0.9%  Score 14; DB 1; Length 20;
Best Local Similarity 87.5%; Pred. No. 4.7e-02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1458 CGCAGCTGCTCTACCA 1473
Db 1 CGCACCTGCTCYACCA 16

RESULT 145
US-10-430-196-5/C
; Sequence 5, Application US/10430196
; Publication No. US20030194738A1
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
; Miraglia; Brenda F. Baker
; TITLE OF INVENTION: Antisense Oligonucleotide
; Compositions and Methods for the Modulation of
; Activating Protein 1
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/430,196
; FILING DATE: 05-May-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/923,517A
; FILING DATE: 07-Aug-2001
; APPLICATION NUMBER: 09/364,416
; FILING DATE: 1999-07-30
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0209
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 810-1515
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-430-196-5

Query Match      0.9%  Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.7e-02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1351 CAGCGCGCGCGGG 1364
Db 16 CAGCGCGCGCGGG 3
```

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 23, 2003, 16:38:23 ; Search time 4 Seconds

(without alignments)

1.902 Million cell updates/sec

Title: us-10-001-844-3

Perfect score: 1576

Sequence: 1 gcaggagcagcagaggga.....gaggggcgaggggggcc 1576

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 119 seqs, 2414 residues

Total number of hits satisfying chosen parameters: 238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 137 summaries

Database : rst.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	22	1.4	31	1	A2853311
C 2	21	1.3	29	1	A2764536
C 3	19.6	1.2	26	1	A2604431
C 4	19.2	1.2	25	1	A1762378
C 5	19	1.2	27	1	A2604434
C 6	19	1.2	27	1	A2649949
C 7	18.6	1.2	25	1	A2861588
C 8	17.6	1.1	24	1	A2486765
C 9	17.6	1.1	24	1	A2597705
C 10	17.6	1.1	25	1	A2861766
C 11	17.2	1.1	23	1	A2447239
C 12	17.2	1.1	24	1	A2375584
C 13	17.2	1.1	24	1	A2764494
C 14	16.8	1.1	21	1	A2871389
C 15	16.2	1.0	21	1	A2583408
C 16	16.2	1.0	21	1	A2819539
C 17	16.2	1.0	22	1	A2447246
C 18	16.2	1.0	22	1	A2764516
C 19	16.2	1.0	23	1	A2324328
C 20	16.2	1.0	23	1	A2764518
C 21	15.8	1.0	20	1	A2345513
C 22	15.6	1.0	22	1	A2326022
C 23	15.6	1.0	22	1	A2331687
C 24	15.6	1.0	22	1	A2338780
C 25	15.6	1.0	22	1	A2344385
C 26	15.6	1.0	22	1	A2346734
C 27	15.6	1.0	22	1	A2351203
C 28	15.6	1.0	22	1	A2353898
C 29	15.6	1.0	22	1	A2358103
C 30	15.6	1.0	22	1	A2427736
C 31	15.6	1.0	22	1	A2437946
C 32	15.6	1.0	22	1	A2438244
C 33	15.6	1.0	22	1	A2438934
C 34	15.6	1.0	22	1	A2441517
C 35	15.6	1.0	22	1	A2456332
C 36	15.6	1.0	22	1	A2458425
C 37	15.6	1.0	22	1	A2462694
C 38	15.6	1.0	22	1	A2483835
C 39	15.6	1.0	22	1	A2486750
C 40	15.6	1.0	22	1	A2581190
C 41	15.6	1.0	22	1	A2584757
C 42	15.6	1.0	22	1	A2590321
C 43	15.6	1.0	22	1	A2597625
C 44	15.6	1.0	22	1	A2602985
C 45	15.6	1.0	22	1	A2642084
C 46	15.6	1.0	22	1	A2642494
C 47	15.6	1.0	22	1	A2647408
C 48	15.6	1.0	22	1	A2766712
C 49	15.6	1.0	22	1	A2767823
C 50	15.6	1.0	22	1	A2775873
C 51	15.6	1.0	22	1	A2779302
C 52	15.6	1.0	22	1	A2781352
C 53	15.6	1.0	22	1	A2789340
C 54	15.6	1.0	22	1	A2805250
C 55	15.6	1.0	22	1	A2806801
C 56	15.6	1.0	22	1	A2807363
C 57	15.6	1.0	22	1	A2808089
C 58	15.6	1.0	22	1	A2814991
C 59	15.6	1.0	22	1	A2817117
C 60	15.6	1.0	22	1	A2826596
C 61	15.6	1.0	22	1	A2864279
C 62	15.6	1.0	22	1	A2875718
C 63	15.6	1.0	22	1	A2941907
C 64	15.6	1.0	22	1	TA327H04P
C 65	15.6	1.0	22	1	TA389D09P
C 66	15.6	1.0	22	1	TA45B04P
C 67	15.2	1.0	20	1	A2345438
C 68	15.2	1.0	20	1	A2426899
C 69	15.2	1.0	20	1	A2645269
C 70	15.2	1.0	20	1	A2823365
C 71	15.2	1.0	21	1	A2345794
C 72	14.8	0.9	19	1	A2427731
C 73	14.8	0.9	19	1	A2447248
C 74	14.8	0.9	19	1	A2854647
C 75	14.8	0.9	21	1	A2967472
C 76	14.4	0.9	25	1	A2861588
C 77	14.2	0.9	19	1	AA987844
C 78	14.2	0.9	19	1	AA950994
C 79	14.2	0.9	19	1	A2305212
C 80	14.2	0.9	19	1	A2345894
C 81	14.2	0.9	19	1	A2410166
C 82	14.2	0.9	19	1	A2427750
C 83	14.2	0.9	19	1	A2493581
C 84	14.2	0.9	19	1	A2760597
C 85	14.2	0.9	19	1	A2813861
C 86	14.2	0.9	19	1	A2861832
C 87	14.2	0.9	19	1	A2983014
C 88	14.2	0.9	20	1	A2328703
C 89	14.2	0.9	20	1	A2512326
C 90	14.2	0.9	20	1	A2579495
C 91	14.2	0.9	20	1	A2659755
C 92	14.2	0.9	20	1	A2861615
C 93	14.2	0.9	20	1	A2969440
C 94	14.2	0.9	16	1	AI154875
C 95	13.8	0.9	19	1	AA953971
C 96	13.8	0.9	19	1	A2491644
C 97	12.8	0.8	16	1	AI1648507
C 98	12.8	0.8	25	1	BQ593528
C 99	12.8	0.8	25	1	AI762378
C 100	12.4	0.8	17	1	AW247673
C 101	12.4	0.8	17	1	AW247673
C 102	12.2	0.8	17	1	BM396258
C 103	12.2	0.8	17	1	BM399757
C 104	12.2	0.8	17	1	BM400820
C 105	12	0.8	29	1	A2764536
C 106	11.8	0.7	15	1	BM396431

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ACCESSION: A2456332
ACCESSION: A2458425
ACCESSION: A2462694
ACCESSION: A2483835
ACCESSION: A2486750
ACCESSION: A2581190
ACCESSION: A2584757
ACCESSION: A2590321
ACCESSION: A2597625
ACCESSION: A2602985
ACCESSION: A2642084
ACCESSION: A2642494
ACCESSION: A2647408
ACCESSION: A2766712
ACCESSION: A2767823
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ACCESSION: A2779302
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ACCESSION: A2808089
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ACCESSION: A2875718
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ACCESSION: AA878744
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ACCESSION: BM400820
ACCESSION: A2764536
ACCESSION: BM396431

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118 11.2 0.7 25 1 A2861766
119 11.1 0.7 27 1 A2604434
120 10.8 0.7 15 1 BM396472
121 10.8 0.7 23 1 A2447239
122 10.8 0.7 23 1 A2764518
123 10.8 0.7 24 1 A2486765
124 10.8 0.7 24 1 A2597705
125 10.8 0.7 24 1 A2375584
126 10.8 0.7 24 1 A2764494
127 10.8 0.7 27 1 A2449949
128 10.8 0.7 31 1 A2853111
129 10.6 0.7 23 1 A2324328
130 10.4 0.7 13 1 A3918967
131 10.4 0.7 13 1 BM396557
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133 10.4 0.7 14 1 BM399961
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135 10 0.6 10 1 BM398849
136 10 0.6 12 1 BM398341
137 10 0.6 13 1 BM399950

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ALIGNMENTS

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RESULT 1
A2853311/c 31 bp DNA linear GSS 21-FEB-2001
LOCUS 2M0156L23F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION clone UUGC2M0156L23 F, genomic survey sequence.
ACCESSION A2853311
VERSION A2853311.1 GI:13041297
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 31)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0156 row: L column: 23
Seq primer: CGTGTAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 31.
FEATURES
source
1..31
Location/Qualifiers
/organism="Mus musculus"
/mol_type="genomic DNA"

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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0156L23"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, P-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT 0 a 30 c 0 g 1 t
Query Match 1.4%; Score 22; DB 1; Length 31;
Best Local Similarity 83.3%; Pred. No. 3.8;
Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1545 GCGGGGCGGGGAGGGCGGGCGGGGAGGGGG 1574
DB 31 GCGGGGCGGGGAGGGCGGGCGGGGAGGGGG 2

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RESULT 2
A2764536 29 bp DNA linear GSS 16-FEB-2001
LOCUS IM0560A2AR Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION clone UUGC1M0560A24 R, genomic survey sequence.
ACCESSION A2764536
VERSION A2764536.1 GI:12879599
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 29)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: A column: 24
Seq primer: CACACAGGAACAGCATGACC
Class: plasmid ends
High quality sequence stop: 29.
FEATURES
source
1..29
Location/Qualifiers
/organism="Mus musculus"
/mol_type="genomic DNA"

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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0560A24"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G1|4732114|9B|A129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 1 c 28 g 0 t

Query Match 1.3%; Score 21; DB 1; Length 29;
Best Local Similarity 82.8%; Pred. No. 5.2;
Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGAGGGCGGGGAGGGG 1573
Db 1 GGGGGGGGGGGGGGGGGGGGGGGGG 29

RESULT 3

AZ604431/c 26 bp DNA linear GSS 13-DEC-2000
LOCUS 1M0425114F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION clone UUGC1M0425114 F, genomic survey sequence.

ACCESSION AZ604431
VERSION AZ604431.1 GI:11726621
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 26)

REFERENCE Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A. and Wright,D., Weis,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

UNPUBLISHED

CONTACT: Robert B. Weiss

UNIVERSITY OF UTAH

Rm. 308 Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0425 row: 1 column: 14

Seq primer: CGTGTGAAAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 26.

Location/Qualifiers

1. .26

/organism="Mus musculus"

/mol_type="genomic DNA"

FEATURES

source

/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0425114"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G1|4732114|9B|A129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 24 c 2 g 0 t

Query Match 1.2%; Score 19.6; DB 1; Length 26;
Best Local Similarity 84.6%; Pred. No. 7.6;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1548 GGGCGGGGGGCGGGCGGGGAGGGG 1573
Db 26 GGGCGGGGGGGGGGGGGGGGGGGG 1

RESULT 4

A1762378/c 25 bp mRNA linear EST 21-DEC-1999
LOCUS w1544f10.x1 NCI CGAP Col6 Homo sapiens cDNA clone IMAGE:2394091.3
DEFINITION similar to IR:Q69340 Q69340 ORF1, ORF2, AND ORF3. ;contains TARI.t2 TARI repetitive element ;, mRNA sequence.

ACCESSION A1762378
VERSION A1762378.1 GI:5178045
KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM

Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 25)

REFERENCE NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index

JOURNAL

UNPUBLISHED

CONTACT: Robert Strausberg, Ph.D.

Email: cgapbs-remail.nih.gov

Tissue Procurement: Ilan Kirsch, M.D., Michael R. Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: M. Bento Soares, Ph.D.

cDNA Library Arrayed by: Greg Lennon, Ph.D.

cDNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality

Insert Length: 2471 Std Error: 0.00

Seq primer: -400P from Gibco

High quality sequence stop: 1.

Location/Qualifiers

1. .25

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/mol_type="mRNA"

FEATURES

source

/db xref="taxon:9606"
 /clone="IMAGE:2394091"
 /tissue_type="colon tumor, RER+"
 /lab_host="DH10B"

/clone_lib="NCI_CGAP_Col6"
 /notes="Organ: colon; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not I; Site 2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP_Col6 was prepared, and as circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (clones 1057416-1061255, and 1144584-1145351). Subtraction by Bento Soares and M. Fatima Bonaldo."

BASE COUNT 1 a 19 c 5 g 0 t

Query Match 1.2%; Score 19.2; DB 1; Length 25;
 Best Local Similarity 87.5%; Pred. No. 8.3;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGGGAGGGGGGGGGAGGGGGCC 1576

Db 25 GGGGTGGGGGGGGGGGGGGGGGGCC 2

RESULT 5

AZ604434/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 27)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.

and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0425 row: 1 column: 18

Seq primer: CGTGTAAACGACGGCAGT

Class: plasmid ends

High quality sequence stop: 27.

Location/Qualifiers

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/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUC1M library"

/note="Vector: pMD42nv, Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G14732114[gb|AF129072.1]), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor-mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 26 c 0 g 1 t

Query Match 1.2%; Score 19; DB 1; Length 27;
 Best Local Similarity 81.5%; Pred. No. 11;
 Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1546 GGGGGGCGGGGGAGGGGGGGGGAGGG 1572

Db 27 GGGGGGCGGGGGAGGGGGGGGGGGGG 1

RESULT 6

AZ649949/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 27)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.

and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished

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84112, USA

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Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0519 row: P column: 18

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 27.

Location/Qualifiers

1. .27

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUC1M0519P18"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUC1M library"

/note="Vector: pMD42nv, Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 26 c 0 g 1 t

Query Match 1.2%; Score 19; DB 1; Length 27;
Best Local Similarity 81.5%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1547 GGGGCCGGGGAGGGCGGGAGGGG 1573
|||||
Db 27 GGGGGGGGGAGGGCGGGGGGGGG 1

RESULT 7
AZ861588/c
LOCUS 25 bp DNA linear GSS 21-FEB-2001
DEFINITION 2M0168J04F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0168J04 F, genomic survey sequence.

ACCESSION AZ861588
VERSION 1
KEYWORDS GI:13058058
SOURCE GSS.
ORGANISM Mus musculus (house mouse)

REFERENCE 1 (bases 1 to 25)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0168 row: J column: 04
Seq primer: CGTGTAAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 25.

FEATURES
Location/Qualifiers
1..25
source

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/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0168J04"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: pWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 3 g 0 t

Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 11;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1547 GGGGCCGGGGAGGGCGGGAGGGG 1571
|||||
Db 25 GGGGGGGGGAGGGCGGGGGGGGG 1

RESULT 8
AZ486765/c
LOCUS 24 bp DNA linear GSS 05-OCT-2000
DEFINITION 1M0315D09F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0315D09 F, genomic survey sequence.

ACCESSION AZ486765
VERSION 1
KEYWORDS GI:10653860
SOURCE GSS.
ORGANISM Mus musculus (house mouse)

REFERENCE 1 (bases 1 to 24)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0315 row: D column: 09
Seq primer: CGTGTAAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 24.

FEATURES
Location/Qualifiers
1..24
source

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
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/clone="UUGC1M0315D09"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: pWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with R4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G+14732114[9b]AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

	Query Match	1.1%	Score 17.6;	DB 1;	Length 24;
	Best Local Similarity	83.3%	Pred. No. 15;		
	Matches 20;	Conservative 0;	Mismatches 4;	Indels 0;	Gaps 0;
QY	1545	GGGCGGCCGGGGAGGGCGCGGG	1568		
Dd	24	GGGGCGCGGGGGGGGGGGGGGG	1		

RESULT 10	
AZ861766/c	DNA linear GSS 21-FEB-2001
LOCUS	25 bp
DEFINITION	Muscle 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0168K19 R, genomic survey sequence.
ACCESSION	AZ861766
VERSION	AZ861766.1
KEYWORDS	GSS. GI:13058414
SOURCE	Mus musculus (house mouse)
ORGANISM	Mus musculus
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
AUTHORS	1 (bases 1 to 25) Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Maenen,E., Pedersen,T., Reilly, M., Rose,M., Stokes,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
TITLE	Muscle whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL	Unpublished
COMMENT	Contact: Robert B. Weiss

```

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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0168 row: K column: 19
Seq primer: CACACAGGAACACGCTATGACC
Clases: plasmid ends
High quality sequence stop: 25.
Location/Qualifiers
1. .25
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0168K19"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: pWD4nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically released by repeated passage through a

```

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 24 c 1 g 0 t

Query Match 1.1%; Score 17.6; DB 1; Length 25;
Best Local Similarity 83.3%; Pred. No. 17;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGAGGGCGGGG 1568
|||||
Db 25 GGGGGCGGGGAGGGCGGGG 2

RESULT 11

AZ447239 23 bp DNA linear GSS 04-OCT-2000
LOCUS
DEFINITION
IM0244M18F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0244M18 F, genomic survey sequence.

ACCESSION
AZ447239

VERSION
GSS.1 GI:10599026

KEYWORDS
Mus musculus (house mouse)

SOURCE
Mus musculus

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
1 (bases 1 to 23)

AUTHORS
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhauser,A.
and Wright,D., Weiss,R.

TITLE
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
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Tel: 801 585 5606

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Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0244 row: M column: 18

Seq primer: CGTGTAAACGACGCCACGT

Class: plasmid ends

High quality sequence stop: 23.

Location/Qualifiers

1..23

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0244M18"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 1 c 22 g 0 t

Query Match 1.1%; Score 17.2; DB 1; Length 23;
Best Local Similarity 86.4%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGG 1574
|||||
Db 1 GGGGGAGGGCGGGGAGGGG 22

RESULT 12

AZ375584/c 24 bp DNA linear GSS 02-OCT-2000
LOCUS
DEFINITION
IM0129F04F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0129F04 F, genomic survey sequence.

ACCESSION
AZ375584

VERSION
GSS.1 GI:10489284

KEYWORDS
Mus musculus (house mouse)

SOURCE
Mus musculus

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
1 (bases 1 to 24)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhauser,A.
and Wright,D., Weiss,R.

TITLE
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
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Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0129 row: F column: 04

Seq primer: CGTGTAAACGACGCCACGT

Class: plasmid ends

High quality sequence stop: 24.

Location/Qualifiers

1..24

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0129F04"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 23 c 1 g 0 t
 Query Match 1.1%; Score 17.2; DB 1; Length 24;
 Best Local Similarity 86.4%; Pred. No. 18;
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGGGCGGGAGGGG 1574
 |||||
 Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 13
 AZ764494/c
 LOCUS 24 bp DNA linear GSS 16-FEB-2001
 DEFINITION 1M0560E06R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0560E06 R, genomic survey sequence.

ACCESSION AZ764494
 VERSION AZ764494.1 GI:12879515
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 24)

REFERENCE 1 (bases 1 to 24)
 AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
 TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
 COMMENT Contact: Robert B. Weiss
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 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0560 row: E column: 06
 Seq primer: CACACAGGAACAGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 24.

Location/Qualifiers
 1. 24

FEATURES
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 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0560E06"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 23 c 1 g 0 t
 Query Match 1.1%; Score 17.2; DB 1; Length 24;
 Best Local Similarity 86.4%; Pred. No. 18;
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGGGCGGGAGGGG 1574
 |||||
 Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 14
 AZ871389/c

LOCUS 21 bp DNA linear GSS 21-FEB-2001
 DEFINITION 2M0184A14F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0184A14 F, genomic survey sequence.

ACCESSION AZ871389
 VERSION AZ871389.1 GI:13077560
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 21)

REFERENCE 1 (bases 1 to 21)
 AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
 TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
 COMMENT Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
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Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0184 row: A column: 14
 Seq primer: CTTGTAAACGACGCCAGT
 Class: plasmid ends
 High quality sequence stop: 21.

Location/Qualifiers
 1. 21

FEATURES
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 1. 21
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC2M0184A14"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 19 c 2 g 0 t

Query Match 1.1%; Score 16.8; DB 1; Length 21;
Best Local Similarity 90.0%; Pred. No. 16;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1545 GGGGGCCCGGGGAGGGGCG 1564
|||||
Db 20 GGGGGCCCGGGGAGGGGCGG 1

RESULT 15
AZ583408/c
LOCUS 21 bp DNA linear GSS 13-DEC-2000
DEFINITION IM0378N23F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0378N23 F, genomic survey sequence.

ACCESSION AZ583408
VERSION GI:11703261
KEYWORDS GSS
SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 21)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0378 row: N column: 23
Seq primer: CGTTGTAACACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 21.

FEATURES
source

1..21
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0378N23"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 20 c 1 t

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 21;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGCGGAGGGG 1573
|||||
Db 21 GGGGGAGGGGCGGAGGGG 1

RESULT 16
AZ819539/c
LOCUS 21 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0091A17F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0091A17 F, genomic survey sequence.

ACCESSION AZ819539
VERSION GI:12989447
KEYWORDS GSS
SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 21)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0091 row: A column: 17
Seq primer: CGTTGTAACACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 21.

FEATURES
source

1..21
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0091A17"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 19 c 2 g 0 t

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 21;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGAGGGGGCGC 1565
|||||
DB 21 GGGGGCGGGGGAGGGGGCGC 1

RESULT 17

AZ447246/c

LOCUS

DEFINITION AZ447246 22 bp DNA linear GSS 04-OCT-2000
clone UUGC1M0244E23 F, genomic survey sequence.

ACCESSION

AZ447246

VERSION

GSS.

KEYWORDS

Mus musculus (house mouse)

SOURCE

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished

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Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0244 row: E column: 23

Seq primer: CGTGTAAACGACGCGCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1. .22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0244E23"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/notes="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 21 c 0 g 1 t

Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 23;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1554 GGGAGGGCGCGGGAGGGGG 1574
|||||
DB 22 GGGGGGGGGGGAGGGGGG 2

RESULT 18

AZ764516/c

LOCUS

DEFINITION AZ764516 22 bp DNA linear GSS 16-FEB-2001
clone UUGC1M0560112 R, genomic survey sequence.

ACCESSION

AZ764516

VERSION

GSS.

KEYWORDS

Mus musculus (house mouse)

SOURCE

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished

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Insert Length: 10000 Std Error: 0.00

Plate: 0560 row: I column: 12

Seq primer: CACACGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1. .22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0560112"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/notes="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 21 c 1 g 0 t

Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 23;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1554 GCGGAGGGCGCGGAGGGG 1574
|||||
Db 22 GCGGCGGGCGGGGGGGG 2

RESULT 19
AZ324328
LOCUS 23 bp DNA linear GSS 29-SEP-2000
DEFINITION IM0046B16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0046B16 F, genomic survey sequence.

ACCESSION AZ324328
VERSION AZ324328.1 GI:10379937
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 23)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0046 row: B column: 16

Seq primer: CCGTGAACACGCGCCAGT

Class: plasmid ends

High quality sequence stop: 23.

Location/Qualifiers

1. .23

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0046B16"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 2 a 8 c 10 g 3 t

Query Match 1.0%; Score 16.2; DB 1; Length 23;
Best Local Similarity 85.7%; Pred. No. 25;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1367 CGCGGGCGCGCGCGCGGAGA 1387
|||||
Db 1 CGCGGTGGCGGGCGGTACA 21

RESULT 20
AZ764518/c

LOCUS 23 bp DNA linear GSS 16-FEB-2001
DEFINITION IM0560L11R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0560L11 R, genomic survey sequence.

ACCESSION AZ764518
VERSION AZ764518.1 GI:12879563
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 23)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0560 row: L column: 11

Seq primer: CACAGGAAACGCTATGACC

Class: plasmid ends

High quality sequence stop: 23.

Location/Qualifiers

1. .23

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0560L11"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 1 g

Query Match 1.0%; Score 16.2; DB 1; Length 23;
Best Local Similarity 85.7%; Pred. No. 25;

Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGAGGGGGGGGGGGGGGGG 1573

Db 21 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 21

AZ345513/c

LOCUS

DEFINITION 20 bp DNA linear GSS 29-SEP-2000
clone UUGC1M0080J04 F, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Mus musculus

Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 20)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

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Unpublished

JOURNAL

COMMENT

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Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0080 row: J column: 04

Seq primer: CGTGTAAACGACGGCCAGT

Class: plasmid ends

High quality sequence stop: 20.

Location/Qualifiers

1..20

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clones="UUGC1M0080J04"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 3 a 13 c 4 t

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 23;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 235 GGGTTCCGGAAGAGGAGG 253

Db 20 GGGGTTAGGAAGGGGAGG 2

RESULT 22

AZ326022/c

LOCUS

DEFINITION 22 bp DNA linear GSS 29-SEP-2000
clone UUGC1M0048K03 R, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Mus musculus

Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

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plasmid inserts

Unpublished

JOURNAL

COMMENT

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Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0048 row: K column: 03

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clones="UUGC1M0048K03"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGAGGGCGGGAGGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGG 1

RESULT 23

A2331687

LOCUS A2331687 22 bp DNA linear GSS 29-SEP-2000
DEFINITION IM0059117R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0059117 R, genomic survey sequence.

ACCESSION

A2331687

VERSION

A2331687.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.,

and Wright, D., Weiss, R.

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JOURNAL

Unpublished

COMMENT

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Insert Length: 10000 Std Error: 0.00

Plate: 0059 row: 1 column: 17

Seq primer: CACACAGGAACAGGTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1. .22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0059117"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGAGGGCGGGAGGGGG 1574
|||||
Db 1 GGGGGGGGGGGGGGGGGG 22

RESULT 24

A2338780

LOCUS A2338780 22 bp DNA linear GSS 29-SEP-2000
DEFINITION IM0070C06F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0070C06 F, genomic survey sequence.

ACCESSION

A2338780

VERSION

A2338780.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.,

and Wright, D., Weiss, R.

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JOURNAL

Unpublished

COMMENT

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Insert Length: 10000 Std Error: 0.00

Plate: 0070 row: C column: 06

Seq primer: CGTTGTAAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1. .22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0070C06"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGGG 1574
|||||
Db 1 GGGGGGGGGGGGGGGGGGGG 22

RESULT 25

AZ344385

LOCUS

DEFINITION 22 bp DNA linear GSS 29-SEP-2000
1M0078D23F Mouse 10kb plasmid UGCG1M library Mus musculus genomic
clone UGCG1M0078D23 F, genomic survey sequence.

ACCESSION

A2344385

VERSION

A2344385.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Contact: Robert B. Weiss

University of Utah

University of Utah

Rm. 308, Biomedical

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000

Plate: 0078

Seq primer: CGTGTAAACGACGGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGCG1M0078D23"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UGCG1M library"

/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGGG 1574
|||||
Db 1 GGGGGGGGGGGGGGGGGGGG 22

RESULT 26

AZ346734/c

LOCUS

DEFINITION 22 bp DNA linear GSS 29-SEP-2000
1M0082B09F Mouse 10kb plasmid UGCG1M library Mus musculus genomic
clone UGCG1M0082B09 F, genomic survey sequence.

ACCESSION

A2346734

VERSION

A2346734.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Contact: Robert B. Weiss

University of Utah

University of Utah

Rm. 308, Biomedical

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000

Plate: 0082

Seq primer: CGTGTAAACGACGGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGCG1M0082B09"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UGCG1M library"

/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGCGGGAGGGG 1574
|||||
Db 22 GGGGGAGGGCGCGGGAGGGG 1

RESULT 27

AZ351203 22 bp DNA linear GSS 29-SEP-2000
LOCUS 1M0089C07F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION clone UUGC1M0089C07 F, genomic survey sequence.

ACCESSION AZ351203

VERSION 1 GI:10430440

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

Unpublished

CONTACT: Robert B. Weiss

University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0089 row: C column: 07

Seq primer: CGTTGAAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

FEATURES

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0089C07"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: FWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGCGGGAGGGG 1574
|||||
Db 1 GGGGGAGGGCGCGGGAGGGG 22

RESULT 28

AZ353898 22 bp DNA linear GSS 02-OCT-2000
LOCUS 1M0092P24R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION clone UUGC1M0092P24 R, genomic survey sequence.

ACCESSION AZ353898

VERSION 1 GI:10464859

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

Unpublished

CONTACT: Robert B. Weiss

University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0092 row: P column: 24

Seq primer: CACACAGGAACACGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

FEATURES

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0092P24"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: FWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

```

BASE COUNT      0 a      22 c      0 g
Query Match      1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGGAGGGCGCGGGAGGGGG 1574
      ||||| ||||| ||||| |||||
Db 22 GGGGGAGGGCGCGGGAGGGGG 1

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```

RESULT 29
AZ358103
LOCUS
DEFINITION
  AZ358103 22 bp DNA linear GSS 02-OCT-2000
  Clone UGCG1M0100P09 F, genomic survey sequence.
ACCESSION
  AZ358103
VERSION
  AZ358103.1 GI:10471803
KEYWORDS
  GSS.
SOURCE
  Mus musculus (house mouse)
ORGANISM
  Mus musculus
  Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE
  1 (bases 1 to 22)
AUTHORS
  Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
  Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
  ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
  and Wright,D., Weiss,R.
TITLE
  Mouse whole genome scaffolding with paired end reads from 10kb
  plasmid inserts
JOURNAL
  Unpublished
COMMENT
  Contact: Robert B. Weiss
  University of Utah Genome Center
  University of Utah
  Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
  84112, USA
  Tel: 801 585 5606
  Fax: 801 585 7177
  Email: ddunn@genetics.utah.edu
  Insert Length: 10000 Std Error: 0.00
  Plate: 0100 row: P column: 09
  Seq primer: CGTTGTAAACGACGCCAGT
  Class: Plasmid ends
  High quality sequence stop: 22.
  Location/Qualifiers
    1..22
      /organism="Mus musculus"
      /mol_type="genomic DNA"
      /strain="C57BL/6J"
      /db_xref="taxon:10090"
      /clone="UGCG1M0100P09"
      /sex="Male"
      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
      /clone_lib="Mouse 10kb plasmid UGCG1M library"
      /note="Vector: PWD42nv; Purified genomic DNA from M.
      musculus C57BL/6J (male) was obtained from the Jackson
      Laboratory Mouse DNA Resource
      (http://www.jax.org/resources/documents/dnares/). The DNA
      was hydrodynamically sheared by repeated passage through a

```

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

```

BASE COUNT      0 a      22 c      0 g
Query Match      1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGGAGGGCGCGGGAGGGGG 1574
      ||||| ||||| ||||| |||||
Db 1 GGGGGAGGGCGCGGGAGGGGG 22

```

```

RESULT 30
AZ427736/c
LOCUS
DEFINITION
  AZ427736 22 bp DNA linear GSS 03-OCT-2000
  clone UGCG1M0209121 R, genomic survey sequence.
ACCESSION
  AZ427736
VERSION
  AZ427736.1 GI:10551749
KEYWORDS
  GSS.
SOURCE
  Mus musculus (house mouse)
ORGANISM
  Mus musculus
  Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE
  1 (bases 1 to 22)
AUTHORS
  Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
  Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
  ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
  and Wright,D., Weiss,R.
TITLE
  Mouse whole genome scaffolding with paired end reads from 10kb
  plasmid inserts
JOURNAL
  Unpublished
COMMENT
  Contact: Robert B. Weiss
  University of Utah Genome Center
  University of Utah
  Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
  84112, USA
  Tel: 801 585 5606
  Fax: 801 585 7177
  Email: ddunn@genetics.utah.edu
  Insert Length: 10000 Std Error: 0.00
  Plate: 0209 row: I column: 21
  Seq primer: CACACAGGAAACAGCTATGACC
  Class: plasmid ends
  High quality sequence stop: 22.
  Location/Qualifiers
    1..22
      /organism="Mus musculus"
      /mol_type="genomic DNA"
      /strain="C57BL/6J"
      /db_xref="taxon:10090"
      /clone="UGCG1M0209121"
      /sex="Male"
      /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
      /clone_lib="Mouse 10kb plasmid UGCG1M library"
      /note="Vector: PWD42nv; Purified genomic DNA from M.
      musculus C57BL/6J (male) was obtained from the Jackson
      Laboratory Mouse DNA Resource
      (http://www.jax.org/resources/documents/dnares/). The DNA
      was hydrodynamically sheared by repeated passage through a

```

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGGGGAGGGG 1574

Db 22 GGGGGGGGGGGGGGGGGGGG 1

RESULT 31

AZ437946

LOCUS

DEFINITION AZ437946 22 bp DNA linear GSS 03-OCT-2000
clone UUGC1M0226N07 R, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.,
and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0226 row: N column: 07

Seq Primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

FEATURES

source

1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0226N07"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 g 0 c

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGGGGAGGGG 1574

Db 1 GGGGGGGGGGGGGGGGGGGG 22

RESULT 32

AZ438244

LOCUS

DEFINITION AZ438244 22 bp DNA linear GSS 03-OCT-2000
clone UUGC1M0228A16 F, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.,
and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0228 row: A column: 16

Seq primer: CGTGTAAACGACGCGCAGT

Class: plasmid ends

High quality sequence stop: 22.

FEATURES

source

1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0228A16"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t
 Query Match 1.0%; Score 15.6; DB 1; Length 22;
 Best Local Similarity 81.8%; Pred. No. 30;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGGG 1574
 ||||| ||||| ||||| ||||| |||||
 Db 1 GGGGGAGGGCGGGGAGGGGG 22

RESULT 33
 AZ438934/c
 LOCUS
 DEFINITION
 1M0229J13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC1M0229J13 F, genomic survey sequence.

ACCESSION
 A2438934
 VERSION
 A2438934.1 GI:10562947
 KEYWORDS
 GSS.
 SOURCE
 Mus musculus (house mouse)
 ORGANISM
 Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
 1 (bases 1 to 22)
 AUTHORS
 Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
 Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
 M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.
 and Wright,D., Weiss,R.

TITLE
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL
 Unpublished
 COMMENT
 Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA

Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0229 row: J column: 13
 Seq primer: CGTTGTAAACGACGGCCAGT
 Class: plasmid ends
 High quality sequence stop: 22.
 Location/Qualifiers
 1..22
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0229J13"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a

FEATURES
 Source
 1..22
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0229J13"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nv; Purified genomic DNA from M.
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 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t
 Query Match 1.0%; Score 15.6; DB 1; Length 22;
 Best Local Similarity 81.8%; Pred. No. 30;
 Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGGG 1574
 ||||| ||||| ||||| ||||| |||||
 Db 22 GGGGGAGGGCGGGGAGGGGG 1

RESULT 34
 AZ441517/c
 LOCUS
 DEFINITION
 1M0233016F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC1M0233016 F, genomic survey sequence.

ACCESSION
 A2441517
 VERSION
 A2441517.1 GI:10565530
 KEYWORDS
 GSS.
 SOURCE
 Mus musculus (house mouse)
 ORGANISM
 Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
 1 (bases 1 to 22)
 AUTHORS
 Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
 Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
 M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.
 and Wright,D., Weiss,R.

TITLE
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL
 Unpublished
 COMMENT
 Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA

Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0233 row: O column: 16
 Seq primer: CGTTGTAAACGACGGCCAGT
 Class: plasmid ends
 High quality sequence stop: 22.
 Location/Qualifiers
 1..22
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0233016"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a

FEATURES
 Source
 1..22
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0233016"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GCGGGAGGGCGCGGGAGGGGG 1574
||||| ||||| ||||| ||||| |||||
Db 22 GCGGGGGGGGGGGGGGGGGGGGG 1

RESULT 35
AZ456332/c

LOCUS AZ456332 22 bp DNA linear GSS 04-OCT-2000
DEFINITION IM0259A10F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0259A10 F, genomic survey sequence.

ACCESSION AZ456332
VERSION AZ456332.1 GI:10614457

KEYWORDS GSS.
SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 22)
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished

COMMENT Contact: Robert B. Weiss
University of Utah Genome Center

University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0259 row: A column: 10

Seq primer: CTTGTAAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0259A10"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GCGGGAGGGCGCGGGAGGGGG 1574
||||| ||||| ||||| ||||| |||||
Db 22 GCGGGGGGGGGGGGGGGGGGGGG 1

RESULT 36
AZ458425/c

LOCUS AZ458425 22 bp DNA linear GSS 04-OCT-2000
DEFINITION IM0252E02R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0252E02 R, genomic survey sequence.

ACCESSION AZ458425
VERSION AZ458425.1 GI:10616550

KEYWORDS GSS.
SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 22)
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished

COMMENT Contact: Robert B. Weiss
University of Utah Genome Center

University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0262 row: E column: 02

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0262E02"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGGG 1574
|||||
Db 22 GGGGGAGGGCGGGGAGGGGG 1

RESULT 37

AZ462694/c

LOCUS

DEFINITION 1M0271G10F Mouse 10kb plasmid UUGCLM library Mus musculus genomic clone UUGCLM0271G10 F, genomic survey sequence.

ACCESSION

AZ462694

VERSION

AZ462694.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Contact: Robert B. Weiss

University of Utah

Rm. 308, Biomedical

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000

Plate: 0271

Seq primer: CGTTGTAACGAGCGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGCLM0271G10"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGCLM library"

/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGGGG 1574
|||||
Db 22 GGGGGAGGGCGGGGAGGGGG 1

RESULT 38

AZ483835/c

LOCUS

DEFINITION 1M0310H06F Mouse 10kb plasmid UUGCLM library Mus musculus genomic clone UUGCLM0310H06 F, genomic survey sequence.

ACCESSION

AZ483835

VERSION

AZ483835.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Contact: Robert B. Weiss

University of Utah

Rm. 308, Biomedical

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000

Plate: 0310

Seq primer: CGTTGTAACGAGCGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGCLM0310H06"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGCLM library"

/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGGGCGGGAGGGG 1574

Db 22 GGGGGGGGGGGGGGGGGGGG 1

RESULT 39

AZ486750/c

LOCUS AZ486750 22 bp DNA linear GSS 05-OCT-2000
DEFINITION IM0315103F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0315103 F, genomic survey sequence.

ACCESSION AZ486750

VERSION AZ486750.1 GI:10653830

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 22)

REFERENCE

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0315 row: 1 column: 03

Seq primer: CTTTATAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0315103"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: pWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGGGCGGGAGGGG 1574

Db 22 GGGGGGGGGGGGGGGGGGGG 1

RESULT 40

AZ581190

LOCUS AZ581190 22 bp DNA linear GSS 13-DEC-2000
DEFINITION IM0369E16R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0369E16 R, genomic survey sequence.

ACCESSION AZ581190

VERSION AZ581190.1 GI:11695955

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 22)

REFERENCE

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0369 row: E column: 16

Seq primer: CACACGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0369E16"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: pWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGGGGAGGGG 1574
|||||
Db 1 GGGGGGGGGGGGGGGGGG 22

RESULT 41

AZ584757/c

LOCUS

DEFINITION AZ584757 22 bp DNA linear GSS 13-DEC-2000
IM0389D12R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0389D12 R, genomic survey sequence.

ACCESSION

AZ584757

VERSION

AZ584757.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Mus musculus

REFERENCE

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.
and Wright, D., Weiss, R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

Unpublished

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0389 row: D column: 12
Seq primer: CACACGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 22.
Location/Qualifiers
1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0389D12"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: pMD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGGGGAGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGG 1

RESULT 42

AZ590321

LOCUS

DEFINITION AZ590321 22 bp DNA linear GSS 13-DEC-2000
IM0399C23R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0399C23 R, genomic survey sequence.

ACCESSION

AZ590321

VERSION

AZ590321.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Mus musculus

REFERENCE

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.
and Wright, D., Weiss, R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

Unpublished

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
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84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0399 row: C column: 23
Seq primer: CACACGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 22.
Location/Qualifiers
1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0399C23"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: pMD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;

Best Local Similarity 81.8%; Pred. No. 30;

Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGCGGGAGGGGG 1574

||||| ||||| ||||| ||||| |||||
Db 1 GGGGGGGGGGGGGGGGGGGGG 22

RESULT 43

AZ597625/c

LOCUS

DEFINITION IM0411P07R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0411P07 R, genomic survey sequence.

ACCESSION AZ597625

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly

,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.

and Wright,D.,Weiss,R.

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plasmid inserts

Unpublished

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0411 row: P column: 07

Seq primer: CACACAGGAGACGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1. .22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0411P07"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;

Best Local Similarity 81.8%; Pred. No. 30;

Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGCGGGAGGGGG 1574

||||| ||||| ||||| ||||| |||||
Db 22 GGGGGGGGGGGGGGGGGGGG 1

RESULT 44

AZ602985/c

LOCUS

DEFINITION IM0422F06F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0422F06 F, genomic survey sequence.

ACCESSION AZ602985

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly

,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.

and Wright,D.,Weiss,R.

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plasmid inserts

Unpublished

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University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

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Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0422 row: F column: 06

Seq primer: CGTGTAAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

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/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0422F06"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGGGGGGGGGGGGG 1574
||||| ||||| ||||| ||||| |||||
Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 45
AZ642084/c
LOCUS
DEFINITION
1M0504N21R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0504N21 R, genomic survey sequence.

ACCESSION
AZ642084
VERSION
AZ642084.1 GI:11768367
KEYWORDS
GSS.

SOURCE
Mus musculus (house mouse)

ORGANISM

REFERENCE
AUTHORS
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.

TITLE
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0504 row: N column: 21
Seq primer: CACACGGAACACGCTATGACC
Class: plasmid ends
High quality sequence stop: 22.

FEATURES
source

1..22
Location/Qualifiers

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0504N21"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGGGGGGGGGGGGG 1574
||||| ||||| ||||| ||||| |||||
Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 46
AZ642494/c
LOCUS
DEFINITION
1M0505J06R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0505J06 R, genomic survey sequence.

ACCESSION
AZ642494
VERSION
AZ642494.1 GI:11769156
KEYWORDS
GSS.

SOURCE
Mus musculus (house mouse)

ORGANISM

REFERENCE
AUTHORS
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.

TITLE
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0505 row: J column: 06
Seq primer: CACACGGAACACGCTATGACC
Class: plasmid ends
High quality sequence stop: 22.

FEATURES
source

1..22
Location/Qualifiers

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0505J06"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
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```
BASE COUNT      0 a      0 g      0 t
                1.0%; Score 15.6; DB 1; Length 22;
Query Match      Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGGGCGGGAGGGGG 1574
      ||||| ||||| ||||| |||||
Db 22 GGGGGGGGGGGGGGGGGGGGG 1
```

```
RESULT 47
AZ647408
LOCUS
DEFINITION
  AZ647408 22 bp DNA linear GSS 14-DEC-2000
  clone UUGC1M0513H19 R, genomic survey sequence.
ACCESSION
  AZ647408
VERSION
  AZ647408.1 GI:11778843
KEYWORDS
  GSS.
SOURCE
  Mus musculus (house mouse)
```

```
ORGANISM
  Mus musculus
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
  1 (bases 1 to 22)
REFERENCE
  Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
  Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
  ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
  and Wright,D., Weiss,R.
  Mouse whole genome scaffolding with paired end reads from 10kb
  plasmid inserts
```

```
JOURNAL
  Unpublished
  Contact: Robert B. Weiss
  University of Utah Genome Center
  Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
  84112, USA
  Tel: 801 585 5606
  Fax: 801 585 7177
  Email: ddunn@genetics.utah.edu
  Insert Length: 10000 Std Error: 0.00
  Plate: 0513 row: H column: 19
  Seq primer: CACACAGGAACAGCTATGACC
  Class: plasmid ends
  High quality sequence stop: 22.
```

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FEATURES
  Location/Qualifiers
  1..22
    /organism="Mus musculus"
    /mol_type="genomic DNA"
    /strain="C57BL/6J"
    /db_xref="taxon:10090"
    /clone="UUGC1M0513H19"
    /sex="Male"
    /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
    /clone_lib="Mouse 10kb plasmid UUGC1M library"
    /note="Vector: PWD42nv; Purified genomic DNA from M.
  musculus C57BL/6J (male) was obtained from the Jackson
  Laboratory Mouse DNA Resource
  (http://www.jax.org/resources/documents/dnares/). The DNA
  was hydrodynamically sheared by repeated passage through a
```

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

```
BASE COUNT      4 a      5 g      5 t
                1.0%; Score 15.6; DB 1; Length 22;
Query Match      Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 587 GTGGACATCACCGTCTTGACC 608
      ||||| ||||| ||||| |||||
Db 1 GTGTGCATCACCATGCTTGACC 22
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```
RESULT 48
AZ766712/c
LOCUS
DEFINITION
  AZ766712 22 bp DNA linear GSS 16-FEB-2001
  clone UUGC1M0564A03 R, genomic survey sequence.
ACCESSION
  AZ766712
VERSION
  AZ766712.1 GI:12884063
KEYWORDS
  GSS.
SOURCE
  Mus musculus (house mouse)
```

```
ORGANISM
  Mus musculus
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
  1 (bases 1 to 22)
REFERENCE
  Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
  Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
  ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
  and Wright,D., Weiss,R.
  Mouse whole genome scaffolding with paired end reads from 10kb
  plasmid inserts
```

```
JOURNAL
  Unpublished
  Contact: Robert B. Weiss
  University of Utah Genome Center
  Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
  84112, USA
  Tel: 801 585 5606
  Fax: 801 585 7177
  Email: ddunn@genetics.utah.edu
  Insert Length: 10000 Std Error: 0.00
  Plate: 0564 row: A column: 03
  Seq primer: CACACAGGAACAGCTATGACC
  Class: plasmid ends
  High quality sequence stop: 22.
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FEATURES
  Location/Qualifiers
  1..22
    /organism="Mus musculus"
    /mol_type="genomic DNA"
    /strain="C57BL/6J"
    /db_xref="taxon:10090"
    /clone="UUGC1M0564A03"
    /sex="Male"
    /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
    /clone_lib="Mouse 10kb plasmid UUGC1M library"
    /note="Vector: PWD42nv; Purified genomic DNA from M.
  musculus C57BL/6J (male) was obtained from the Jackson
  Laboratory Mouse DNA Resource
  (http://www.jax.org/resources/documents/dnares/). The DNA
  was hydrodynamically sheared by repeated passage through a
```

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 1 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGCGGGAGGGGG 1574

Db 22 GGGGGTGGGGGGGGGGGGGGG 1

RESULT 49

AZ767823/c

LOCUS

DEFINITION 22 bp DNA linear GSS 16-FEB-2001
clone UGCG1M0567K20 F, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

1 (bases 1 to 22)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0567 row: K column: 20
Seq primer: CGTTGTAAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 22.
Location/Qualifiers

FEATURES

source

1..22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCG1M0567K20"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCG1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

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BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGCGGGAGGGGG 1574

Db 22 GGGGGGGGGGGGGGGGGGGGG 1

RESULT 50

AZ775873/c

LOCUS

DEFINITION 22 bp DNA linear GSS 16-FEB-2001
clone UGCG2M0009B07 F, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

1 (bases 1 to 22)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished
Contact: Robert B. Weiss
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University of Utah
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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0009 row: B column: 07
Seq primer: CGTTGTAAACGACGCGCCAGT
Class: plasmid ends
High quality sequence stop: 22.
Location/Qualifiers

FEATURES

source

1..22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCG2M0009B07"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCG1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

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BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGCGGGAGGGGG 1574
||||| ||||| ||||| ||||| |||||
Db 22 GGGGGAGGGCGGGGGGGGGGG 1

RESULT 51
AZ779302/c

LOCUS 22 bp DNA linear GSS 16-FEB-2001
DEFINITION 2M0015K01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0015K01 R, genomic survey sequence.

ACCESSION AZ779302
VERSION AZ779302.1 GI:12909819
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus

REFERENCE
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL
COMMENT

Contact: Robert B. Weiss
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84112, USA

Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0015 row: K column: 01

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

FEATURES
source

1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0015K01"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, P-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGCGGGAGGGGG 1574
||||| ||||| ||||| ||||| |||||
Db 22 GGGGGAGGGCGGGGGGGGGGG 1

RESULT 52
AZ781352

LOCUS 22 bp DNA linear GSS 16-FEB-2001
DEFINITION 2M0019B10R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0019B10 R, genomic survey sequence.

ACCESSION AZ781352
VERSION AZ781352.1 GI:12913959
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus

REFERENCE
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL
COMMENT

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Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0019 row: B column: 10

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

FEATURES
source

1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0019B10"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, P-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G14732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGGAGGGCGGGGAGGGG 1574
|||||
Db 1 GGGGGGGGGGGGGGGGGGGG 22

RESULT 53
AZ789340/c
LOCUS
DEFINITION 22 bp DNA linear GSS 16-FEB-2001
clone UUGC2M0037C03 F, genomic survey sequence.

ACCESSION AZ789340

VERSION AZ789340.1 GI:12930036

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

REFERENCE 1 (bases 1 to 22)
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished

COMMENT Contact: Robert B. Weiss
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University of Utah

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Insert Length: 10000 Std Error: 0.00

Plate: 0037 row: C column: 03

Seq primer: CGTGTAAACGACGGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

FEATURES

source

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0037C03"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (G14732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGGAGGGCGGGGAGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGGGG 1

RESULT 54

AZ805250/c

LOCUS

DEFINITION 22 bp DNA linear GSS 20-FEB-2001
clone UUGC2M0066K02 R, genomic survey sequence.

ACCESSION AZ805250

VERSION AZ805250.1 GI:12966061

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

REFERENCE 1 (bases 1 to 22)
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished

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Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0066 row: K column: 02

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

FEATURES

source

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0066K02"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGCGGGGGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGG 1

RESULT 55

AZ806801

LOCUS

2M0069A10F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0069A10 F, genomic survey sequence.

ACCESSION

AZ806801

VERSION

AZ806801.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

1 (bases 1 to 22)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

Unpublished

COMMENT

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Insert Length: 10000 Std Error: 0.00

Plate: 0069 row: A column: 10

Seq primer: CGTTGTAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0069A10"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: pWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGGGCGCGGGGGGGG 1574
|||||
Db 1 GGGGGGGGGGGGGGGGGG 22

RESULT 56

AZ807363/c

LOCUS

2M0070I07F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0070I07 F, genomic survey sequence.

ACCESSION

AZ807363

VERSION

AZ807363.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE

1 (bases 1 to 22)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts

JOURNAL

Unpublished

COMMENT

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Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0070 row: I column: 07

Seq primer: CGTTGTAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0070I07"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: pWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G14732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGGGGGGGGGGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 57
AZ808089/c
LOCUS 22 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0071K19F Mouse 10kb plasmid UGCM library Mus musculus genomic clone UGC2M0071K19 F, genomic survey sequence.

ACCESSION AZ808089
VERSION AZ808089.1 GI:12973085
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

REFERENCE
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

COMMENT
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Fax: 801 585 7177

Email: ddunne@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0071 row: K column: 19

Seq primer: CGTTGTAACACGCGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

FEATURES

source

1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUC2M0071K19"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCM library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (G14732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGGGGGGGGGGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 58
AZ814991/c
LOCUS 22 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0083A05F Mouse 10kb plasmid UGCM library Mus musculus genomic clone UGC2M0083A05 F, genomic survey sequence.

ACCESSION AZ814991
VERSION AZ814991.1 GI:12984899
KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 22)

REFERENCE
AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

COMMENT
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Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunne@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0083 row: A column: 05

Seq primer: CGTTGTAACACGCGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

FEATURES

source

1. .22
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUC2M0083A05"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCM library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGGGGGGAGGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 59

AZ817117/c

LOCUS

DEFINITION 2M0086012F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0086012 F, genomic survey sequence.

ACCESSION

AZ817117

VERSION

GSS.

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;

Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

JOURNAL

Unpublished

COMMENT

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University of Utah Genome Center

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84112, USA

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Insert Length: 10000 Std Error: 0.00

Plate: 0086 row: 0 column: 12

Seq primer: CGTTGTAACACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0086012"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Ti-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/notes="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGGGGGGGAGGGGG 1574
|||||
Db 22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 60

AZ826596

LOCUS

DEFINITION 2M0102M15F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0102M15 F, genomic survey sequence.

ACCESSION

AZ826596

VERSION

GSS.

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 22)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

TITLE

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

JOURNAL

Unpublished

COMMENT

Contact: Robert B. Weiss

University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0102 row: M column: 15

Seq primer: CGTTGTAACACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 22.

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0102M15"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, Ti-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/notes="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGCGGCGGCGGAGGGG 1574
|||||
Db 1 GGGGCGGCGGCGGCGGCGGCGG 22

RESULT 61

AZ864279/c

LOCUS

DEFINITION 2M0173118R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0173118 R, genomic survey sequence.

ACCESSION AZ864279

VERSION AZ864279.1

KEYWORDS GI:13063421

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus. 1 (bases 1 to 22)

REFERENCE

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0173 row: 1 column: 18
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 22.

FEATURES

source

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0173118"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1553 GGGGAGCGGCGGCGGAGGGG 1574
|||||
Db 22 GGGGCGGCGGCGGCGGCGGCGG 1

RESULT 62

AZ875718/c

LOCUS

DEFINITION 2M0190619F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0190619 F, genomic survey sequence.

ACCESSION AZ875718

VERSION AZ875718.1

KEYWORDS GI:13086005

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus. 1 (bases 1 to 22)

REFERENCE

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0190 row: G column: 19
Seq primer: CGTTGTAACAGCGCCAGT
Class: plasmid ends
High quality sequence stop: 22.

FEATURES

source

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0190619"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_lib="Mouse 10kb plasmid UUGC1M library"

/note="Vector: PWD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 21 c 1 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1552 CGGGGAGGGCGGGGAGGGG 1573

Db 22 CGGGGAGGGCGGGGAGGGG 1

RESULT 63

AZ941907/c

LOCUS

DEFINITION AZ941907 22 bp DNA linear GSS 26-APR-2001

clone UUGC2M0201A19 R, genomic survey sequence.

ACCESSION

VERSION AZ941907.1 GI:13804781

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00
Plate: 0201 row: A column: 19

Seq primer: CACACAGGAACACGTATGACC
Class: plasmid ends

High quality sequence stop: 22.
Location/Qualifiers

1. 22
/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="CS7BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0201A19"

/sex="Female"

/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"

/clone_libs="Mouse 10kb plasmid UUGC2M library"

/note="Vector: pWD42nv; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 0 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGAGGGCGGGGAGGGG 1574

Db 22 GGGGAGGGCGGGGAGGGG 1

RESULT 64

TA327H04P

LOCUS

DEFINITION

TA327H04P 22 bp DNA linear GSS 13-DEC-2000

T. brucei sheared genomic DNA clone 327h04, forward sequence, genomic survey sequence.

ACCESSION

VERSION AL497313 GI:11867990

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and nh@sanger.ac.uk

Constructed at the Institute for Genomic Research (TIGR), Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared to give a tight size distribution (4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. In Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).

Email: nh@sanger.ac.uk
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.

Location/Qualifiers

1. 22
/organism="Trypanosoma brucei"

/mol_type="genomic DNA"

/strain="TREU927"

/db_xref="taxon:5691"

/clone="327h04"

BASE COUNT 0 a 0 c 22 g 0 t

Query Match 1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1553 GGGGAGGGCGGGGAGGGG 1574

Db 22 GGGGAGGGCGGGGAGGGG 1

```

Db      1 GGGGGGGGGGGGGGGGGGGGGGGG 22

RESULT 65
TA389D09P      22 bp      DNA      linear      GSS 13-DEC-2000
LOCUS          T. brucei sheared genomic DNA clone 389d09, forward sequence,
DEFINITION     genomic survey sequence.
ACCESSION      AL498971
VERSION        AL498971.1 GI:11874693
KEYWORDS       GSS.
SOURCE         Trypanosoma brucei
ORGANISM       Trypanosoma brucei
REFERENCE      Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
AUTHORS        Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
               Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
               Melville,S.B., Rajandream,M.A. and Barrell,B.G.
TITLE          Direct Submission
JOURNAL        Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
               project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
               Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
               nh@sanger.ac.uk
COMMENT        Constructed at the Institute for Genomic Research (TIGR),
               Rockville, MD. Genomic DNA isolated from a cloned population of
               Trypanosoma brucei (TREU27/4 GUTat 10.1) was mechanically sheared
               to give a tight size distribution (
               4 kb). The v + i method used for the library construction is
               described in detail in Smith, H. and Venter, J.C. (Making small
               insert libraries for whole genome shotgun sequencing projects. In
               Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
               Barrell, Oxford University Press, 1999).
               Email: nh@sanger.ac.uk
               Details of T. brucei sequencing at the Sanger Centre are available
               at http://www.sanger.ac.uk/Projects/T_brucei/.

FEATURES             source
   source            1..22
                     /organism="Trypanosoma brucei"
                     /mol_type="genomic DNA"
                     /strain="TREU27"
                     /db_xref="taxon:5691"
                     /clone="389d09"

BASE COUNT          0 a      0 c      22 g      0 t

Query Match          1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1553 GGGGAGGGGGCGGGGGGGGGG 1574
          |||||
DB       22 GGGGGGGGGGGGGGGGGGGGGG 1

RESULT 66
TA45B04P/c      22 bp      DNA      linear      GSS 29-SEP-2000
LOCUS          T. brucei sheared genomic DNA clone 45b04, forward sequence,
DEFINITION     genomic survey sequence.
ACCESSION      AL453937
VERSION        AL453937.1 GI:11856114
KEYWORDS       GSS.
SOURCE         Trypanosoma brucei
ORGANISM       Trypanosoma brucei
REFERENCE      Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
AUTHORS        Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
               Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
               Melville,S.B., Rajandream,M.A. and Barrell,B.G.
TITLE          Direct Submission
JOURNAL        Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
               project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
               Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
               nh@sanger.ac.uk
COMMENT        Constructed at the Institute for Genomic Research (TIGR),
               Rockville, MD. Genomic DNA isolated from a cloned population of
               Trypanosoma brucei (TREU27/4 GUTat 10.1) was mechanically sheared
               to give a tight size distribution (
               4 kb). The v + i method used for the library construction is
               described in detail in Smith, H. and Venter, J.C. (Making small
               insert libraries for whole genome shotgun sequencing projects. In
               Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
               Barrell, Oxford University Press, 1999).
               Email: nh@sanger.ac.uk
               Details of T. brucei sequencing at the Sanger Centre are available
               at http://www.sanger.ac.uk/Projects/T_brucei/.

FEATURES             source
   source            1..22
                     /organism="Trypanosoma brucei"
                     /mol_type="genomic DNA"
                     /strain="TREU27"
                     /db_xref="taxon:5691"
                     /clone="389d09"

BASE COUNT          0 a      0 c      22 g      0 t

Query Match          1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1553 GGGGAGGGGGCGGGGGGGGGG 1574
          |||||
DB       1 GGGGGGGGGGGGGGGGGGGGGG 22

RESULT 67
TA4345438/c     20 bp      DNA      linear      GSS 29-SEP-2000
LOCUS          1M0080F08F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
DEFINITION     clone UUGC1M0080F08 F, genomic survey sequence.
ACCESSION      AZ345438
VERSION        AZ345438.1 GI:10424675
KEYWORDS       GSS.
SOURCE         Mus musculus (house mouse)
ORGANISM       Mus musculus
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
               Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
               1 (bases 1 to 20)
AUTHORS        Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
               Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
               ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.
               and Wright,D., Weiss,R.
               Mouse whole genome scaffolding with paired end reads from 10kb
               plasmid inserts
               Unpublished
               Contact: Robert B. Weiss
               University of Utah Genome Center
               University of Utah
               Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
               84112, USA
               Tel: 801 585 5606
               Fax: 801 585 7177
               Email: ddunn@genetics.utah.edu
               Insert Length: 10000 Std Error: 0.00
               Plate: 0880 row: F column: 08
               Seq primer: CGTTGTAACGACGGCCAGT
               Class: plasmid ends
               High quality sequence stop: 20.
               Location/Qualifiers
                 source      1..20
                           /organism="Mus musculus"
                           /mol_type="genomic DNA"
                           /strain="C57BL/60"
                           /db_xref="taxon:10090"
                           /clone="UUGC1M0080F08"
                           /sex="Male"

```


/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone lib="mouse 10kb plasmid UUGC1M library"
 /notes="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male); was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pWD42 (GI4732114|gb|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 0 a 19 c 0 g 1 t

Query Match 1.0%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 29;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1553 GGGGGAGGGCGGGGAGGG 1572
 |||||
 Db 20 GGGGGAGGGCGGGGAGGG 1

RESULT 70

AZ823365

LOCUS

2M0097D24F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC2M0097D24 F, Genomic survey sequence.

ACCESSION

AZ823365

VERSION

AZ823365.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

CONTACT: Robert B. Weiss

University of Utah

University of Utah

Rm. 308, Biomedical

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000

Std Error: 0.00

Plate: 0097

row: D

column: 24

Seq primer: CGTTGTAACGACGCCAGT

Class: plasmid ends

High quality sequence stop: 20.

Location/Qualifiers

1. .20

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0097D24"

/sex="Male"

/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone lib="mouse 10kb plasmid UUGC1M library"
 /notes="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male); was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pWD42 (GI4732114|gb|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 0 a 1 c 19 g 0 t

Query Match 1.0%; Score 15.2; DB 1; Length 20;
 Best Local Similarity 85.0%; Pred. No. 29;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGCGGGGAGGG 1564
 |||||
 Db 1 GGGGGCGGGCGGGGAGGG 20

RESULT 71

AZ345794

LOCUS

1M0080H08R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC1M0080H08 R, genomic survey sequence.

ACCESSION

AZ345794

VERSION

AZ345794.1

KEYWORDS

GSS.

SOURCE

Mus musculus (house mouse)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

CONTACT: Robert B. Weiss

University of Utah

University of Utah

Rm. 308, Biomedical

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000

Std Error: 0.00

Plate: 0080

row: H

column: 08

Seq primer: CACACGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 21.

Location/Qualifiers

1. .21

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC1M0080H08"

/sex="Male"

/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone lib="Mouse 10kb plasmid UGCM library"
 /notes="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adapted DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pWD42 [G14732114|gb|AF129072.1], a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adapted mouse DNA was annealed to
 adapted vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT

0 a 1 c 20 g 0 t

Query Match 1.0%; Score 15.2; DB 1; Length 21;
 Best Local Similarity 85.0%; Pred. No. 32;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGCGGGGAGGGGCG 1564

Db 2 GGGGGCGCGGGGAGGGGCG 21

RESULT 72

AZ427731/c

LOCUS AZ427731 19 bp DNA linear GSS 03-OCT-2000
 DEFINITION IM0209G19R Mouse 10kb plasmid UGCM library Mus musculus genomic
 clone UGCM0209G19 R, genomic survey sequence.

ACCESSION AZ427731

VERSION AZ427731.1 GI:10551744

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 19)

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
 and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts

JOURNAL Unpublished

COMMENT

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0209 row: G column: 19

Seq primer: CACACAGAAACAGTCTACCC

Class: plasmid ends

High quality sequence stop: 19.

Location/Qualifiers

1. .19

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGCM0209G19"

/sex="Male"

/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone lib="Mouse 10kb plasmid UGCM library"
 /notes="Vector: PWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adapted DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pWD42 [G14732114|gb|AF129072.1], a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adapted mouse DNA was annealed to
 adapted vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT

0 a 18 c 1 g 0 t

Query Match 0.9%; Score 14.8; DB 1; Length 19;
 Best Local Similarity 88.9%; Pred. No. 31;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1545 GGGGGCGCGGGGAGGGGCG 1562

Db 19 GGGGGCGCGGGGAGGGGCG 2

RESULT 73

AZ447248/c

LOCUS AZ447248 19 bp DNA linear GSS 04-OCT-2000
 DEFINITION IM0244H23F Mouse 10kb plasmid UGCM library Mus musculus genomic
 clone UGCM0244H23 F, genomic survey sequence.

ACCESSION AZ447248

VERSION AZ447248.1 GI:10599044

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 19)

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
 and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts

JOURNAL Unpublished

COMMENT

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0244 row: H column: 23

Seq primer: CGTTGTAACACGCGCCAGT

Class: plasmid ends

High quality sequence stop: 19.

Location/Qualifiers

1. .19

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGCM0244H23"

/sex="Male"

/lab host="E. coli strain XL10-Gold, T1-resistant, F-"
 /clone lib="Mouse 10kb plasmid UUGC2M library"
 /note="Vector: pWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (female) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 0 a 19 g 0 t

Query Match 0.9%; Score 14.8; DB 1; Length 21;
 Best Local Similarity 88.9%; Pred. No. 38;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1553 GGGGAGGGGGCGCGGAG 1570
 |||||
 Db 4 GGGGGGGGGCGCGGGG 21

RESULT 76
 AZ861588
 LOCUS 25 bp DNA linear GSS 21-FEB-2001
 DEFINITION 2M0168704F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC2M0168704 F, genomic survey sequence.
 ACCESSION AZ861588
 VERSION 1
 KEYWORDS GSS
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 25)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausen, A.,
 and Wright, D., Weiss, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 Unpublished
 Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0168 Row: J Column: 04
 Seq primer: CGTTGTAAACGACGGCCAGT
 Class: plasmid ends
 High quality sequence stop: 25.
 Location/Qualifiers
 1..25
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC2M0168704"
 /sex="Male"

/lab host="E. coli strain XL10-Gold, T1-resistant, F-"
 /clone lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: pWD42nv; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptors complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

BASE COUNT 0 a 22 c 3 g 0 t

Query Match 0.9%; Score 14.4; DB 1; Length 25;
 Best Local Similarity 75.0%; Pred. No. 61;
 Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 82 CACCCCGCGCGGCGCACTCGGCC 105
 |||||
 Db 2 CCCCCGCGCGCGCGCGGCC 25

RESULT 77
 AA878744/c
 LOCUS 19 bp mRNA linear EST 25-MAR-1998
 DEFINITION c855a08.s1 NCI CGAP L15 Homo sapiens cDNA clone IMAGE:1437110 3',
 similar to TR:067633 Q67633 ECO Q PROTEIN. [1]; contains TARI.t2
 TARI repetitive element; mRNA sequence.
 ACCESSION AA878744
 VERSION 1
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 19)
 NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
 National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 Tumor Gene Index
 Unpublished
 Contact: Robert Strausberg, Ph.D.
 Email: cga@nci.nih.gov
 unknown library type
 trace considered overall poor quality
 Seq primer: -40m13 fwd. ET from Amerham
 High quality sequence stop: 1.
 Location/Qualifiers
 1..19
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:1437110"
 /tissue_type="hepatic adenoma"
 /lab host="DH10B"
 /clone lib="NCI CGAP L15"
 /notes="Organ: liver; Vector: pCMV-SPORT4; Site: 1; Sali;
 Site 2: NotI. Cloned unidirectionally. Primer: Oligo dt.
 Average insert size 0.8 kb."
 BASE COUNT 0 a 16 c 1 g 2 t

Query Match 0.9%; Score 14.2; DB 1; Length 19;
 Best Local Similarity 84.2%; Pred. No. 40;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

LOCUS	AZ345894	19 bp	DNA	linear	GSS 29-SEP-2000
DEFINITION	1M080C24R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGC1M0080C24 R, genomic survey sequence.				
ACCESSION	AZ345894				

```

VERSION      AZ345894.1  GI:10425131
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
              1 (bases 1 to 19)
              Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
              Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
              M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
              and Wright,D.,Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
              plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
              University of Utah Genome Center
              Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
              84112, USA
              Tel: 801 585 5606
              Fax: 801 585 7177
              Email: ddunn@genetics.utah.edu
              Insert Length: 10000 Std Error: 0.00
              Plate: 0080 row: C column: 24
              Seq primer: CACACAGGAAACAGCTATGACC
              Class: plasmid ends
              High quality sequence stop: 19.

FEATURES     Location/Qualifiers
              1..19
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M080C24"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /note="Vector: PWD42nv; Purified genomic DNA from M.
                musculus C57BL/6J (male) was obtained from the Jackson
                Laboratory Mouse DNA Resource
                (http://www.jax.org/resources/documents/dnares/). The DNA
                was hydrodynamically sheared by repeated passage through a
                0.005 inch orifice at constant velocity. The sheared DNA
                was blunt end-repaired with T4 DNA polymerase and T4
                polynucleotide kinase. Adaptor oligonucleotides were
                ligated to the blunt ends in high molar excess. The
                adaptor DNA was purified and size-selected for a 9.5 to
                10.5 kb range using preparative agarose gel
                electrophoresis. Vector DNA was prepared from a derivative
                of pWD42 (GI|4732114|gb|AF129072.1), a copy-number
                inducible derivative of plasmid R1. The vector was ligated
                with adaptors complementary to the insert adaptors and
                purified. The sheared, adaptor mouse DNA was annealed to
                adaptor vector DNA, and transformed into
                chemically-competent E. coli XL10-Gold (Stratagene) cells
                and selected for ampicillin resistance."
BASE COUNT   0 a 18 c 1 g 0 t
              Query Match      0.9%; Score 14.2; DB 1; Length 19;
              Best Local Similarity 84.2%; Pred. No. 40;
              Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCCCGGGGAGGGGC 1563
      ||||| ||||| |||||
Db 19 GGGGGGGGGGGGGGGGGGC 1

RESULT 81
AZ410166/c
LOCUS      AZ410166      19 bp      DNA      linear      GSS 03-OCT-2000
DEFINITION IM0182J17F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0182J17 F, genomic survey sequence.
ACCESSION  AZ410166

VERSION      AZ410166.1  GI:10534179
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
              1 (bases 1 to 19)
              Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
              Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
              M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
              and Wright,D.,Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
              plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
              University of Utah Genome Center
              Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
              84112, USA
              Tel: 801 585 5606
              Fax: 801 585 7177
              Email: ddunn@genetics.utah.edu
              Insert Length: 10000 Std Error: 0.00
              Plate: 0182 row: J column: 17
              Seq primer: CGTGTGAAAACGACGCCACT
              Class: plasmid ends
              High quality sequence stop: 19.

FEATURES     Location/Qualifiers
              1..19
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0182J17"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /note="Vector: PWD42nv; Purified genomic DNA from M.
                musculus C57BL/6J (male) was obtained from the Jackson
                Laboratory Mouse DNA Resource
                (http://www.jax.org/resources/documents/dnares/). The DNA
                was hydrodynamically sheared by repeated passage through a
                0.005 inch orifice at constant velocity. The sheared DNA
                was blunt end-repaired with T4 DNA polymerase and T4
                polynucleotide kinase. Adaptor oligonucleotides were
                ligated to the blunt ends in high molar excess. The
                adaptor DNA was purified and size-selected for a 9.5 to
                10.5 kb range using preparative agarose gel
                electrophoresis. Vector DNA was prepared from a derivative
                of pWD42 (GI|4732114|gb|AF129072.1), a copy-number
                inducible derivative of plasmid R1. The vector was ligated
                with adaptors complementary to the insert adaptors and
                purified. The sheared, adaptor mouse DNA was annealed to
                adaptor vector DNA, and transformed into
                chemically-competent E. coli XL10-Gold (Stratagene) cells
                and selected for ampicillin resistance."
BASE COUNT   4 a 5 c 2 g 8 t
              Query Match      0.9%; Score 14.2; DB 1; Length 19;
              Best Local Similarity 84.2%; Pred. No. 40;
              Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 332 AGGTATGAGGGAAGATCT 350
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Db 19 AGTTAAGAGGCAAGATCT 1

RESULT 82
AZ427750/c
LOCUS      AZ427750      19 bp      DNA      linear      GSS 03-OCT-2000
DEFINITION IM0209N19R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0209N19 R, genomic survey sequence.
ACCESSION  AZ427750

```

```

VERSION      AZ427750.1  GI:10551763
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE     1 (bases 1 to 19)
AUTHORS      Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
             Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
             M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
             and Wright,D., Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
             plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
             University of Utah Genome Center
             Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
             84112, USA
             Tel: 801 585 5606
             Fax: 801 585 7177
             Email: ddunn@genetics.utah.edu
             Insert Length: 10000 Std Error: 0.00
             Plate: 0209 row: N column: 19
             Seq primer: CACACAGGAAACACCTATGACC
             Class: plasmid ends
             High quality sequence stop: 19.

FEATURES     Location/Qualifiers
             1..19
             /organism="Mus musculus"
             /mol_type="genomic DNA"
             /strain="C57BL/6J"
             /db_xref="taxon:10090"
             /clone="UUGC1M0328A24"
             /sex="Male"
             /lab_hosts="E. Coli strain XL10-Gold, T1-resistant, F-"
             /clone_lib="Mouse 10kb plasmid UUGC1M library"
             /note=Vector: PWD42nv; Purified genomic DNA from M.
             musculus C57BL/6J (male) was obtained from the Jackson
             Laboratory Mouse DNA Resource
             (http://www.jax.org/resources/documents/dnares/). The DNA
             was hydrodynamically sheared by repeated passage through a
             0.005 inch orifice at constant velocity. The sheared DNA
             was blunt end-repaired with T4 DNA polymerase and T4
             polynucleotide kinase. Adaptor oligonucleotides were
             ligated to the blunt ends in high molar excess. The
             adaptor DNA was purified and size-selected for a 9.5 to
             10.5 kb range using preparative agarose gel
             electrophoresis. Vector DNA was prepared from a derivative
             of pWD42 [gi|4732114|gb|AF129072.1], a copy-number
             inducible derivative of plasmid R1. The vector was ligated
             with adaptors complementary to the insert adaptors and
             purified. The sheared, adaptor mouse DNA was annealed to
             adaptor vector DNA, and transformed into
             chemically-competent E. coli XL10-Gold (Stratagene) cells
             and selected for ampicillin resistance."

BASE COUNT   0 a 18 c 1 g 0 t

Query Match   0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1554 GGGAGGGGGCGGGGAGGG 1572
      |||||
Db 19 GGGGGGGGGGGCGGGGGGG 1

RESULT 83
AZ493581/c
LOCUS
DEFINITION
clone UUGC1M0328A24 F, genomic survey sequence.
ACCESSION
AZ493581

VERSION      AZ493581.1  GI:10667400
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE     1 (bases 1 to 19)
AUTHORS      Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
             Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
             M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
             and Wright,D., Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
             plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
             University of Utah Genome Center
             Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
             84112, USA
             Tel: 801 585 5606
             Fax: 801 585 7177
             Email: ddunn@genetics.utah.edu
             Insert Length: 10000 Std Error: 0.00
             Plate: 0328 row: A column: 24
             Seq primer: CGTTGTAACGACGGCCAGT
             Class: plasmid ends
             High quality sequence stop: 19.

FEATURES     Location/Qualifiers
             1..19
             /organism="Mus musculus"
             /mol_type="genomic DNA"
             /strain="C57BL/6J"
             /db_xref="taxon:10090"
             /clone="UUGC1M0328A24"
             /sex="Male"
             /lab_hosts="E. Coli strain XL10-Gold, T1-resistant, F-"
             /clone_lib="Mouse 10kb plasmid UUGC1M library"
             /note=Vector: PWD42nv; Purified genomic DNA from M.
             musculus C57BL/6J (male) was obtained from the Jackson
             Laboratory Mouse DNA Resource
             (http://www.jax.org/resources/documents/dnares/). The DNA
             was hydrodynamically sheared by repeated passage through a
             0.005 inch orifice at constant velocity. The sheared DNA
             was blunt end-repaired with T4 DNA polymerase and T4
             polynucleotide kinase. Adaptor oligonucleotides were
             ligated to the blunt ends in high molar excess. The
             adaptor DNA was purified and size-selected for a 9.5 to
             10.5 kb range using preparative agarose gel
             electrophoresis. Vector DNA was prepared from a derivative
             of pWD42 [gi|4732114|gb|AF129072.1], a copy-number
             inducible derivative of plasmid R1. The vector was ligated
             with adaptors complementary to the insert adaptors and
             purified. The sheared, adaptor mouse DNA was annealed to
             adaptor vector DNA, and transformed into
             chemically-competent E. coli XL10-Gold (Stratagene) cells
             and selected for ampicillin resistance."

BASE COUNT   0 a 18 c 1 g 0 t

Query Match   0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1553 GGGAGGGGGCGGGGAGGG 1571
      |||||
Db 19 GGGGGGGGGGGCGGGGGGG 1

RESULT 84
AZ760597/c
LOCUS
DEFINITION
clone UUGC1M0554N21 F, genomic survey sequence.
ACCESSION
AZ760597

```



```

AZ760597.1  GI:12868613
GSS.
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 19)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
JOURNAL
COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunne@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0554 row: N column: 21
Seq primer: CGTTGTAAACACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
1..19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0554N21"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
BASE COUNT      0 a      18 c      0 g      1 t
Query Match      0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1555 GGGAGGGCGCGGGGGG 1573
|||||
Db 19 GGGAGGGCGGGGGGGGG 1

RESULT 85
AZ813861/c
LOCUS
DEFINITION
2M081A01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M081A01 R, genomic survey sequence.
ACCESSION
AZ813861

AZ760597.1  GI:12868613
GSS.
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 19)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
JOURNAL
COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunne@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0554 row: N column: 21
Seq primer: CGTTGTAAACACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
1..19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0554N21"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
BASE COUNT      0 a      18 c      0 g      1 t
Query Match      0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1555 GGGAGGGCGCGGGGGG 1573
|||||
Db 19 GGGAGGGCGGGGGGGGG 1

RESULT 85
AZ813861/c
LOCUS
DEFINITION
2M081A01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M081A01 R, genomic survey sequence.
ACCESSION
AZ813861

AZ813861.1  GI:12983865
GSS.
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 19)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
JOURNAL
COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunne@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0081 row: A column: 01
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
1..19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M081A01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
BASE COUNT      0 a      18 c      1 g      0 t
Query Match      0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGCGGGGAGGGGC 1563
|||||
Db 19 GGGGGCGGGGGGGGGGGC 1

RESULT 86
AZ861832
LOCUS
DEFINITION
2M0168H21R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0168H21 R, genomic survey sequence.
ACCESSION
AZ861832

```

```

VERSION      AZ861832.1  GI:13058546
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE
1 (bases 1 to 19)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0168 row: H column: 21
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
1. 19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0168H21"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adapted DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adapted mouse DNA was annealed to
adapted vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

BASE COUNT      0 a      17 g      0 t
                0.9%; Score 14.2; DB 1; Length 19;
Query Match
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1547 GGGGCCGGGGGGGGGGGGC 1565
      |||||
Db 1 GGGGGGGGGGGGGGGGGC 19

RESULT 87
AZ983014/c
LOCUS      AZ983014
DEFINITION 2M0264H02F Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M0264H02 F, genomic survey sequence.
ACCESSION  AZ983014

VERSION      AZ983014.1  GI:13854241
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE
1 (bases 1 to 19)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0264 row: H column: 02
Seq primer: CGTGTAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
1. 19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0264H02"
/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adapted DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adapted mouse DNA was annealed to
adapted vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

BASE COUNT      0 a      9 c      9 t
                0.9%; Score 14.2; DB 1; Length 19;
Query Match
Best Local Similarity 84.2%; Pred. No. 40;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGGGAGAGCGGAGC 30
      |||||
Db 19 AGAGAGAGAGAGAGAGAGC 1

RESULT 88
AZ328703
LOCUS      AZ328703
DEFINITION 1M052A07R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M052A07 R, genomic survey sequence.
ACCESSION  AZ328703

```

```

VERSION      AZ328703.1  GI:10388697
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
              1 (bases 1 to 20)
              Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
              Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
              ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
              and Wright,D., Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
JOURNAL      Plasmid inserts
COMMENT      Unpublished
              Contact: Robert B. Weiss
              University of Utah Genome Center
              Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
              84112, USA
              Tel: 801 585 5606
              Fax: 801 585 7177
              Email: ddunn@genetics.utah.edu
              Insert Length: 10000 Std Error: 0.00
              Plate: 0052 row: A column: 07
              Seq primer: CACACAGGAAACAGCTATGACC
              Class: plasmid ends
              High quality sequence stop: 20.
              Location/Qualifiers
FEATURES     source
              1..20
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0052A07"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /note="Vector: PWD42nv; Purified genomic DNA from M.
                musculus C57BL/6J (male) was obtained from the Jackson
                Laboratory Mouse DNA Resource
                (http://www.jax.org/resources/documents/dnares/). The DNA
                was hydrodynamically sheared by repeated passage through a
                0.005 inch orifice at constant velocity. The sheared DNA
                was blunt end-repaired with T4 DNA polymerase and T4
                polynucleotide kinase. Adaptor oligonucleotides were
                ligated to the blunt ends in high molar excess. The
                adaptor DNA was purified and size-selected for a 9.5 to
                10.5 kb range using preparative agarose gel
                electrophoresis. Vector DNA was prepared from a derivative
                of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                inducible derivative of plasmid R1. The vector was ligated
                with adaptors complementary to the insert adaptors and
                purified. The sheared, adaptor mouse DNA was annealed to
                adaptor vector DNA, and transformed into
                chemically-competent E. coli XL10-Gold (Stratagene) cells
                and selected for ampicillin resistance."
BASE COUNT   0 a 1 c 19 g 0 t

Query Match  0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred.No.44;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1544 CGGGGGCGGGCGGGGAGGG 1562
      ||||| ||||| ||||| |||||
Db 1 CGGGGGCGGGCGGGGAGGG 19

RESULT 89
AZ512326/c
LOCUS      AZ512326
DEFINITION IM0357118R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0357118 R, genomic survey sequence.
ACCESSION  AZ512326

VERSION      AZ512326.1  GI:10693642
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
              1 (bases 1 to 20)
              Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
              Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
              ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
              and Wright,D., Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
JOURNAL      Plasmid inserts
COMMENT      Unpublished
              Contact: Robert B. Weiss
              University of Utah Genome Center
              Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
              84112, USA
              Tel: 801 585 5606
              Fax: 801 585 7177
              Email: ddunn@genetics.utah.edu
              Insert Length: 10000 Std Error: 0.00
              Plate: 0357 row: I column: 18
              Seq primer: CACACAGGAAACAGCTATGACC
              Class: plasmid ends
              High quality sequence stop: 20.
              Location/Qualifiers
FEATURES     source
              1..20
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0357118"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /note="Vector: PWD42nv; Purified genomic DNA from M.
                musculus C57BL/6J (male) was obtained from the Jackson
                Laboratory Mouse DNA Resource
                (http://www.jax.org/resources/documents/dnares/). The DNA
                was hydrodynamically sheared by repeated passage through a
                0.005 inch orifice at constant velocity. The sheared DNA
                was blunt end-repaired with T4 DNA polymerase and T4
                polynucleotide kinase. Adaptor oligonucleotides were
                ligated to the blunt ends in high molar excess. The
                adaptor DNA was purified and size-selected for a 9.5 to
                10.5 kb range using preparative agarose gel
                electrophoresis. Vector DNA was prepared from a derivative
                of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                inducible derivative of plasmid R1. The vector was ligated
                with adaptors complementary to the insert adaptors and
                purified. The sheared, adaptor mouse DNA was annealed to
                adaptor vector DNA, and transformed into
                chemically-competent E. coli XL10-Gold (Stratagene) cells
                and selected for ampicillin resistance."
BASE COUNT   0 a 18 c 0 g 2 t

Query Match  0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred.No.44;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1554 GGGGAGGGCGGGGAGGG 1572
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Db 20 GGGGAGGGCGGGGAGGG 2

RESULT 90
AZ579495
LOCUS      AZ579495
DEFINITION IM0367C13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0367C13 F, genomic survey sequence.
ACCESSION  AZ579495

```

```

VERSION      AZ579495.1  GI:11693924
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE     1 (bases 1 to 20)
AUTHORS       Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
              Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
              M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
              and Wright,D., Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
              plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
              University of Utah Genome Center
              University of Utah
              Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
              84112, USA
              Tel: 801 585 5606
              Fax: 801 585 7177
              Email: ddunn@genetics.utah.edu
              Insert Length: 10000 Std Error: 0.00
              Plate: 0367 row: C column: 13
              Seq primer: CGTGTAAACGACGCCAGT
              Class: plasmid ends
              High quality sequence stop: 20.
              Location/Qualifiers
FEATURES     source
              1..20
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0367C13"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /notes="Vector: PWD42nv; Purified genomic DNA from M.
              musculus C57BL/6J (male) was obtained from the Jackson
              Laboratory Mouse DNA Resource
              (http://www.jax.org/resources/documents/dnares/). The DNA
              was hydrodynamically sheared by repeated passage through a
              0.005 inch orifice at constant velocity. The sheared DNA
              was blunt end-repaired with T4 DNA polymerase and T4
              polynucleotide kinase. Adaptor oligonucleotides were
              ligated to the blunt ends in high molar excess. The
              adapted DNA was purified and size-selected for a 9.5 to
              10.5 kb range using preparative agarose gel
              electrophoresis. Vector DNA was prepared from a derivative
              of pWB42 (gi|4732114|gb|AF129072.1), a copy-number
              inducible derivative of plasmid R1. The vector was ligated
              with adaptors complementary to the insert adaptors and
              purified. The sheared, adapted mouse DNA was annealed to
              adapted vector DNA, and transformed into
              chemically-competent E. coli XL10-Gold (Stratagene) cells
              and selected for ampicillin resistance."
BASE COUNT   1 a      2 c      17 g      0 t
              Query Match      0.9%; Score 14.2; DB 1; Length 20;
              Best Local Similarity 84.2%; Pred. No. 44;
              Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy  1546  GGGGGCCCGGGGGAGGGGCG 1564
      |||||
Db    1  GCGGGGGGGGGAGGGGCG 19

RESULT 91
AZ659755/c
LOCUS     AZ659755
DEFINITION 20M168C23F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0537F22 F, genomic survey sequence.
ACCESSION AZ659755

VERSION      AZ659755.1  GI:11796901
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus

REFERENCE     1 (bases 1 to 20)
AUTHORS       Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
              Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
              M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
              and Wright,D., Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
              plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
              University of Utah Genome Center
              University of Utah
              Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
              84112, USA
              Tel: 801 585 5606
              Fax: 801 585 7177
              Email: ddunn@genetics.utah.edu
              Insert Length: 10000 Std Error: 0.00
              Plate: 0337 row: F column: 22
              Seq primer: CGTGTAAACGACGCCAGT
              Class: plasmid ends
              High quality sequence stop: 20.
              Location/Qualifiers
FEATURES     source
              1..20
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0537F22"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /notes="Vector: PWD42nv; Purified genomic DNA from M.
              musculus C57BL/6J (male) was obtained from the Jackson
              Laboratory Mouse DNA Resource
              (http://www.jax.org/resources/documents/dnares/). The DNA
              was hydrodynamically sheared by repeated passage through a
              0.005 inch orifice at constant velocity. The sheared DNA
              was blunt end-repaired with T4 DNA polymerase and T4
              polynucleotide kinase. Adaptor oligonucleotides were
              ligated to the blunt ends in high molar excess. The
              adapted DNA was purified and size-selected for a 9.5 to
              10.5 kb range using preparative agarose gel
              electrophoresis. Vector DNA was prepared from a derivative
              of pWB42 (gi|4732114|gb|AF129072.1), a copy-number
              inducible derivative of plasmid R1. The vector was ligated
              with adaptors complementary to the insert adaptors and
              purified. The sheared, adapted mouse DNA was annealed to
              adapted vector DNA, and transformed into
              chemically-competent E. coli XL10-Gold (Stratagene) cells
              and selected for ampicillin resistance."
BASE COUNT   0 a      18 c      0 g      2 t
              Query Match      0.9%; Score 14.2; DB 1; Length 20;
              Best Local Similarity 84.2%; Pred. No. 44;
              Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy  1556  GGAGGGCGCGGGGAGGGGG 1574
      |||||
Db    20  GGAGGGGGGGGGGGGGGG 2

RESULT 92
AZ861615
LOCUS     AZ861615
DEFINITION 2M0168C23F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0168C23 F, genomic survey sequence.
ACCESSION AZ861615

```

```

AZ861615.1 GI:13058112
GSS.
Mus musculus (house mouse)
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 20)
REFERENCE
AUTHORS
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D.,Weiss,R.
TITLE
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL
COMMENT
Contact: Robert B. Weiss
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0168 row: C column: 23
Seq primer: CGTTGTAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 20.
Location/Qualifiers
1..20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0168C23"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
BASE COUNT
0 a 3 c 17 g 0 t
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 44;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1542 GCCGGGGGGCGGGGAGG 1560
|||||
DB 2 GCCGGGGGGGGGGGGGG 20
|||||

RESULT 93
AZ869440/c
AZ869440 20 bp DNA linear GSS 27-APR-2001
LOCUS
DEFINITION
2M042012F Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M042012 F, genomic survey sequence.
ACCESSION
AZ869440

```


Insert Length: 10000 Std Error: 0.00
 Place: 0325 row: A column: 20
 Seq primer: CGTGTAAACAGCGCCAGT
 Class: plasmid ends
 High quality sequence stop: 19.

FEATURES

source

1..19
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0325A20"
 /sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: FWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnates/). The DNA was hydrotynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and 14 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

0 a 2 c 9 g 8 t

Query Match 0.9%; Score 13.8; DB 1; Length 19;
 Best Local Similarity 88.2%; Pred. NO. 47;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 72 CACACGCACACCCGCG 88
 Db 19 CACACACACACACGCG 3

RESULT 97

A1648507/c

LOCUS

DEFINITION t254c09.x1 NCI CGAP Ov35 Homo sapiens cDNA clone IMAGE:2292400 3' similar to TR:000599 000599 CON1.; mRNA sequence.

ACCESSION A1648507.1 GI:4729341

VERSION EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 16)

REFERENCE NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

TITLE Tumor Gene Index

JOURNAL Unpublished

COMMENT Contact: Robert Strausberg, Ph.D.

Email: cgaps-r@mail.nih.gov

Tissue Procurement: Christopher A. Moskaluk, M.D., Ph.D., Michael

R. Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: Life Technologies, Inc.

DNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality

Seq primer: -40UP from Gibco

High quality sequence stop: 1.

FEATURES

source

1..16
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:2292400"
 /tissue_type="tumor, 5 pooled (see description)"
 /lab_host="DH10B"
 /clone_lib="NCI CGAP Ov35"

/note="Organ: Ovary; Vector: pCMV-SPORT6; Site 1: SalI; Site 2: NotI; This library represents the normally version of NCI CGAP Ov23. Cloned unidirectionally. Primer: Oligo dt. Average insert size 0.86 kb. Tumor types include: mixed Mullerian tumor, papillary serous, clear cell, spindle cell. All are primary tumors, metastasis positive. Constructed by Life Technologies."

BASE COUNT

0 a 13 c 3 g 0 t

Query Match 0.8%; Score 12.8; DB 1; Length 16;

Best Local Similarity 87.5%; Pred. NO. 51;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1550 GCCGGGGGAGGGGGCGC 1565

Db 16 GCCGGGGGAGGGGGCGC 1

RESULT 98

B0593528/c

LOCUS

DEFINITION B0593528 17 bp mRNA linear EST 06-DEC-2002
 S015525-024-026-123-SP6 MP1Z-ADIS-024-developing root Beta vulgaris
 cDNA clone 024-026-123 5-PRIME, mRNA sequence.

ACCESSION B0593528

VERSION GI:26123111

KEYWORDS EST.

SOURCE Beta vulgaris

ORGANISM Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophytes; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.
 1 (bases 1 to 17)

REFERENCE Herwig,R.; Schulz,B.; Weisshaar,B.; Hennig,S.; Steinfath,M.;

AUTHORS Drungowski,M.; Stahl,D.; Wruick,W.; Menze,A.; O'Brien,J.; Lehrach,H. and Radelof,U.

Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes
 Plant J. 32 (5), 845-857 (2002)

JOURNAL ADIS DNA core facility at MP1Z

COMMENT Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Fax: 00492215062851

Email: weisshaar@mpiz-koeln.mpg.de

Insert Length: 17 Std Error: 0.00

Plate: 26 row: I column: 23

Seq primer: SP6; CATACGATTAGTGACACTATAG.

Location/Qualifiers

1..17

/organism="Beta vulgaris"

/mol_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line)"

/db_xref="GABI:193326"

/db_xref="taxon:161934"

/clone="024-026-123"

/tissue_type="developing root"

/lab_host="EMDH10B"

/clone_lib="MP1Z-ADIS-024-developing root"

/note="Vector: pCMVSPORT6; Site 1: SalI; Site 2: NotI;

cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatzeit AG Einbeck, Germany, contact:
b.schulz@sws.de; cloning sites Sali-NoI, primer sites and
orientation:

SP6-Sali-CCAGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

BASE COUNT 0 a 8 c 1 g 8 t

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 57;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 14 CGAGGAGAGAGCGAG 29
|||||
DB 16 CGAGAGAGAGAGAG 1

RESULT 99
LOCUS A1762378 25 bp mRNA linear EST 21-DEC-1999
DEFINITION w54f10.x1 NCI CGAP Col6 Homo sapiens cDNA clone IMAGE:2394091 3'
similar to TR:Q69340 Q69340 ORF1, ORF2, AND ORF3. ;contains TAR1.t2
TAR1 repetitive element ;, mRNA sequence.

ACCESSION A1762378.1 GI:5178045
VERSION EST.
KEYWORDS Homo sapiens (human)
SOURCE

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 25)
NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Ian Kirsch, M.D., Michael R. Emmert-Buck, M.D.,
Ph.D.

CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality
Insert Length: 2471 Std Error: 0.00
Seq primer: -40UP from Gibco
High quality sequence stop: 1.

FEATURES
Source

1..25
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2394091"
/tissue_type="colon tumor, RER+"
/lab_host="DH10B"
/clone_lib="NCI-CGAP_Col6"
/note="Organ: colon; Vector: pT73D-Pac (Pharmacia) with a
modified polylinker; Site 1: Not I; Site 2: Eco RI;
Plasmid DNA from the normalized library NCI CGAP Col6 was
prepared, and ss circles were made in vitro. Following HAP
purification, this DNA was used as tracer in a subtractive
hybridization reaction. The driver was PCR-amplified cDNAs
from a pool of 5,000 clones made from the same library
(cloneIDs 1057416-1061255, and 114564-1145351).
Subtraction by Bento Soares and M. Fatima Bonaldo."

BASE COUNT 1 a 19 c 0 t

Query Match 0.8%; Score 12.8; DB 1; Length 25;

Best Local Similarity 70.8%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 88 CGCGCGCACTCGCGCGCGGACCC 111
|||||
DB 1 CGCGCGCGCGCGCGCGGACCC 24

RESULT 100
LOCUS AW247673

DEFINITION 2820207.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2820207 5',
mRNA sequence.

ACCESSION AW247673.1 GI:5590666
VERSION EST.
KEYWORDS Homo sapiens (human)
SOURCE

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 17)
NIH-MGC http://mgc.nci.nih.gov/.

AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
TITLE Unpublished
JOURNAL

COMMENT Other_Estis: 2820207.3prime
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: DCTD/DTP CDNA Library Preparation: Ling
Hong/Rubin Laboratory CDNA Library Arrayed by: The I.M.A.G.E.
Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
project Clone distribution: MGC clone distribution information can
be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
Scores: PHRED from University of Washington Genome Center. Vector
Trimming: cross match from University of Washington Genome Center
PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
Drosophila Genome Project. University of Washington Genome Center:
http://www.genome.washington.edu Low Quality Sequence: 0 contiguous
PHRED high quality bases following vector sequence. Very Low
Quality Sequence: trace file contained 17 contiguous distinct peaks
following vector sequence.

Plate: LLCM3 row: J column: 16.
Location/Qualifiers

1..17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2820207"
/tissue_type="small cell carcinoma"
/cell_lines="MGC3"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC_7"
/note="Organ: lung; Vector: pOTB7; Site 1: XhoI; Site 2:
EcoRI; CDNA made by oligo-dr priming. Directionally
cloned into EcoRI/XhoI sites using the following 5'
adaptor: GGCACGAG(G). Size-selected >500bp for average
insert size 1.8kb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using 2AP-cDNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."

BASE COUNT 1 a 8 c 6 g

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 67;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1003 GCCCGAGCGGCTCT 1016
|||||
DB 2 GCCCGAGCGGCTCT 15

RESULT 101
LOCUS AW247673/c

LOCUS AW247673 17 bp mRNA linear EST 07-JAN-2000
 DEFINITION 2820207.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2820207 5',
 mRNA sequence.
 ACCESSION AW247673
 VERSION AW247673.1 GI:6590666
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 17)
 REFERENCE NIH-MGC <http://mgi.nci.nih.gov/>.
 AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
 TITLE Unpublished
 JOURNAL
 COMMENT Other ESTs: 2820207.3prime
 Contact: Robert Strausberg, Ph.D.
 Email: cgapps@mail.nih.gov
 Tissue Procurement: DCTP/DBP cDNA Library Preparation: Ling
 Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
 Consortium (LNL) DNA Sequencing by: Berkeley MGC sequencing
 project clone distribution: MGC clone distribution information can
 be found through the I.M.A.G.E. Consortium/LNL at:
www-bio.lnl.gov/bbrp/image/image.html Base Calling / Quality
 Scores: PHRED from University of Washington Genome Center
 Trimming: cross match from University of Washington Genome Center
 PHRAP suite. Poly-T Identification: patmatch.pl from Berkeley
 Drosophila Genome Project. University of Washington Genome Center:
<http://www.genome.washington.edu> Low Quality Sequence: 0 contiguous
 PHRED high quality bases following vector sequence. Very Low
 Quality Sequence: Trace file contained 17 contiguous distinct peaks
 following vector sequence.
 Plate: LLMW3 row: J column: 16.

FEATURES

Location/Qualifiers

1..17
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:2820207"
 /tissue_type="small cell carcinoma"
 /cell_line="MGC3"
 /lab_host="DH10B (phage-resistant)"
 /clone_lib="NIH_MGC_7"
 /note="Organ: lung; Vector: pOTB7; Site: 1: XhoI; Site_2:
 EcoRI; cDNA made by oligo-dT priming. Directionally
 cloned into EcoRI/XhoI sites using the following 5'
 adaptor: GGACGAG(G). Size-selected >500bp for average
 insert size 1.8kb. Library constructed by Ling Hong in
 the laboratory of Gerald M. Rubin (University of
 California, Berkeley) using ZAP-cDNA synthesis kit
 (Stratagene) and Superscript II RT (Life Technologies)."
 BASE COUNT 1 a 8 c 6 g 2 t

Query Match 0.8%; Score 12.4; DB 1; Length 17;
 Best Local Similarity 92.9%; Pred. No. 67;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1167 AGGAGCGCGCGGC 1180

Db 15 AGGAGCGCTCGGC 2

RESULT 102
 BM396258/c

LOCUS 17 bp mRNA linear EST 17-JAN-2002
 DEFINITION 5009-0-19-G03.t.1 Chilcoat/Turkewitz cDNA (large fraction)
 Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM396258

VERSION BM396258.1 GI:18196311

KEYWORDS EST.

SOURCE Tetrahymena thermophila

ORGANISM Tetrahymena thermophila

Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
 Hymenostomatida; Tetrahymenina; Tetrahymena.

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

1 (bases 1 to 17)

Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E., Frankel

J. and Klobutcher, L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells

Unpublished

Contact: Turkewitz AP

Molecular Genetics and Cell Biology

University of Chicago

920 E. 58th Street, Chicago, IL 60637, USA

Tel: 773 702 4374

Fax: 773 702 3172

Email: apturkew@midway.uchicago.edu

Seq primer: T3.

Location/Qualifiers

1..17

/organism="Tetrahymena thermophila"

/mol_type="mRNA"

/strain="CU428.1"

/db_xref="taxon:5911"

/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"

/notes="Vector: Bluescript2 SK+; Details on library

preparation can be found in Chilcoat and Turkewitz (2001)

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

BASE COUNT 2 a 4 c 8 g 3 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 72;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Oy 1433 GCCACCGCGGCTCCCA 1449

Db 17 GCCACCGCGGCTCCCA 1

RESULT 103

BM399757/c

LOCUS 17 bp mRNA linear EST 17-JAN-2002

DEFINITION 5009-0-60-HU2.t.1 Chilcoat/Turkewitz cDNA (large fraction)

Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM399757

VERSION BM399757.1 GI:18199810

KEYWORDS EST.

SOURCE Tetrahymena thermophila

ORGANISM Tetrahymena thermophila

Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;

Hymenostomatida; Tetrahymenina; Tetrahymena.

REFERENCE 1 (bases 1 to 17)

AUTHORS Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E., Frankel

J. and Klobutcher, L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells

Unpublished

Contact: Turkewitz AP

Molecular Genetics and Cell Biology

University of Chicago

920 E. 58th Street, Chicago, IL 60637, USA

Tel: 773 702 4374

Fax: 773 702 3172

Email: apturkew@midway.uchicago.edu

Seq primer: T3

Location/Qualifiers

1..17

/organism="Tetrahymena thermophila"

/mol_type="mRNA"

/strain="CU428.1"

/db_xref="taxon:5911"

/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"

/notes="Vector: Bluescript2 SK+; Details on library

preparation can be found in Chilcoat and Turkewitz (2001)

Proc. Natl. Acad. Sci USA, 98: 8709-8713."

BASE COUNT 2 a 5 c 7 g 3 t

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 72;

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLCT, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: rdunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: A column: 24
Seq primer: CACACAGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 29.
Location/Qualifiers
1. .29
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0560A24"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMW42 [gil1472114|gb|AF129072.1], a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 1 c 28 g 0 t

Query Match	0.8%	Score 12;	DB 1;	Length 29;
Best Local Similarity	64.3%	Pred.	No. 1.4e+02;	
Matches 18;	Conservative	0;	Mismatches 10;	Indels 0;
Gaps	0;			

QY 84 CCCGCCGGCGCACTCCGCCCGCACCC 111
 ||||| ||||| ||||| ||||| |||||
Db 29 CCCCCCGCGCGCCCCCCCCCCCCCCCCCCC 2

RESULT 106
BM396431/c

LOCUS
5009-0-20-B06.t.1 Chilcoat/turkewitz cdNA (large fraction)
Tetrahymena thermophila cdNA, mRNA sequence.

DEFINITION
BM396431

ACCESSION
BM396431.1 GI:18196469

VERSION
EST.

KEYWORDS
Tetrahymena thermophila

SOURCE
Tetrahymena thermophila

ORGANISM
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
1 (bases 1 to 15)

REFERENCE
AUTHORS Turkewitz,A.P.; Karrer,K.M.; Jahn,C., Orias,E., Kirk,K.E., Frankel,J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells Unpublished

TITLE
Contact: Turkewitz AP

JOURNAL
Molecular Genetics and Cell Biology

COMMENT
University of Chicago

920 E. 58th Street, Chicago, IL 60637, USA

Tel: 773 702 4374

Fax: 773 702 3172

Email: apturkew@midway.uchicago.edu

Seq primer: T3

Location/Qualifiers

1. .15
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

1 a 4 c 8 g 2 t

BASE COUNT

Query Match 0.7%; Score 11.8; DB 1; Length 15;

Best Local Similarity 86.7%; Pred. No. 67;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1434 CCACCGCGGCATCC 1448

Db 15 CCACCGCGGCAGCC 1

RESULT 107

LOCUS

DEFINITION BQ588758 15 bp mRNA linear EST 06-DEC-2002
E012534-024-014-P24-SP6 MP1Z-ADIS-024-storage root Beta vulgaris
cDNA clone 024-014-P24 5-PRIME, mRNA sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Beta vulgaris

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;

Caryophyllales; Amaranthaceae; Beta.

1 (bases 1 to 15)

Hervig.R., Schulz.B., Weishaar.B., Hennig.S., Steinfath.M.,

Drungowski.M., Stahl.D., Wruck.W., Menze.A., O'Brien.J., Lebrach.H.

and Radelof,U.

Construction of a 'unigene' cDNA clone set by oligonucleotide

fingerprinting allows access to 25 000 potential sugar beet genes

Plant J. 32 (5), 845-857 (2002)

Contact: Weishaar.B

ADIS DNA core facility at MPIZ

Max-Planck-Institute for Plant Breeding Research

Carl-von-Linne Weg 10, 50829 Koeln, Germany

Email: weishaar@piz-koeln.mpg.de

Fax: 00492215062851

Insert Length: 15 Std Error: 0.00

Plate: 14 row: P column: 24

Seq primer: SP6; CATACGATTAGTGACACTATAG.

Location/Qualifiers

1. .15

/organism="Beta vulgaris"

/mol_type="mRNA"

/cultivar="KWS2320 (double haploid, monogerm breeding line

)"

/db_xref="GABI:187217"

/db_xref="taxon:161934"

/clone="024-014-P24"

/tissue_type="storage root"

/lab_host="EMDH10B"

/clone_lib="MP1Z-ADIS-024-storage root"

/note="Vector: PCMVSPORT6; Site 1: SalI; Site 2: NotI;

cDNA library from sugar beet, library provided by KWS

Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:

b.schulze@kws.de; cloning sites SalI-NotI, primer sites and

orientation;

SP6-SalI-CCACGCGTCGCG-5prime-cDNA-polyA-CC-NotI-T7; Note:

Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator: Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"

BASE COUNT 0 a 1 c 14 g 0 t

Query Match

Best Local Similarity

Matches

QY 1560 GGGCGGGGAGGGGG 1574

Db 1 GGGCGGGGAGGGGG 15

RESULT 108

LOCUS

DEFINITION A1274782/c 16 bp mRNA linear EST 21-DEC-1998
QY67103.X1 NCI CGAP Utl1 Homo sapiens cDNA clone IMAGE:1986677.3,
similar to WP:F59E12.9 CE11534 ;contains element M81 repetitive
element ;, mRNA sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 16)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index

Unpublished

Contact: Robert Strausberg, Ph.D.

Email: cgaps-remail.nih.gov

Tissue Procurement: Christopher Moskaiuk, M.D., Ph.D., Michael R.

Emmert-Buck, M.D., Ph.D.

cDNA Library Preparation: Life Technologies, Inc.

DNA Sequencing by: Greg Lennon, Ph.D.

Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality

Insert Length: 1556 Std Error: 0.00

Seq primer: -40UP from Gibco

High quality sequence stop: 1.

Location/Qualifiers

1. .16

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:1986677"

/tissue_type="well-differentiated endometrial

adenocarcinoma, 7 pooled tumors"

/lab_host="DH10B"

/clone_lib="NCI CGAP Utl1"

/note="Organ: uterus; Vector: pCMV-SPORT6; Site 1: SalI;

Site 2: NotI; Cloned unidirectionally. Primer: oligo dt.

Average insert size 1.75 Kb. Life Technologies catalog #:

11538-014"

BASE COUNT 0 a 13 c 2 g 1 t

Query Match

Best Local Similarity

Matches

QY 643 GCGGTCGAGCCCGG 657

Db 15 GCGGTCGAGCCCGG 1

```

RESULT 109
LOCUS       AZ604431                26 bp    DNA        linear    GSS 13-DEC-2000
DEFINITION  1M043511AF Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0425114 F, genomic survey sequence.
ACCESSION   AZ604431
VERSION     AZ604431.1  GI:11726621
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
REFERENCE   1 (bases 1 to 26)
AUTHORS     Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamill,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.,
            and Wright,D., Weiss,R.
TITLE       Mouse whole genome scaffolding with paired end reads from 10kb
            Plasmid inserts
JOURNAL
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plate: 0425 row: I column: 14
            Seq primer: CGTTGTAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 26.
FEATURES             source
            1..26
                Location/Qualifiers
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUGC1M0425114"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Ti-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUGC1M library"
                /notes="Vector: PWD42nv; Purified genomic DNA from M.
            musculus C57BL/6J (male) was obtained from the Jackson
            Laboratory Mouse DNA Resource
            (http://www.jax.org/resources/documents/dnares/). The DNA
            was hydrodynamically sheared by repeated passage through a
            0.005 inch orifice at constant velocity. The sheared DNA
            was blunt end-repaired with T4 DNA polymerase and T4
            polynucleotide kinase. Adaptor oligonucleotides were
            ligated to the blunt ends in high molar excess. The
            adaptor DNA was purified and size-selected for a 9.5 to
            10.5 kb range using preparative agarose gel
            electrophoresis. Vector DNA was prepared from a derivative
            of PWD42 (gi|4732114|gb|AF129072.1), a copy-number
            inducible derivative of plasmid R1. The vector was ligated
            with adaptors complementary to the insert adaptors and
            purified. The sheared, adaptor mouse DNA was annealed to
            adaptor vector DNA, and transformed into
            chemically-competent E. coli XL10-Gold (Stratagene) cells
            and selected for ampicillin resistance."
            0 a 24 c 2 g 0 t
            Query Match 0.7%; Score 11.6; DB 1; Length 26;
            Best Local Similarity 65.4%; Pred. No. 1.4e+02;
            Matches 17; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 85 CCGCGCGCGCACCTCGCGCCGCGACC 110
    |||||
Db 1 CCCCCCCCCCCCCCCCCCCCCCGGCC 26

```

```

RESULT 110
LOCUS       BM399929                13 bp    mRNA        linear    EST 17-JAN-2002
DEFINITION  5009-0-63-C10.t.1 Chilcoat/Turkewitz cDNA (large fraction)
            Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION   BM399929
VERSION     BM399929.1  GI:18199982
KEYWORDS    EST.
SOURCE      Tetrahymena thermophila
ORGANISM    Tetrahymena thermophila
REFERENCE   1 (bases 1 to 13)
AUTHORS     Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
            J. and Klobutcher,L.
TITLE       EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
COMMENT     Contact: Turkewitz AP
            Molecular Genetics and Cell Biology
            University of Chicago
            920 E. 58th Street, Chicago, IL 60637, USA
            Tel: 773 702 4374
            Fax: 773 702 3172
            Email: apturkew@midway.uchicago.edu
            Seq primer: T3.
FEATURES             source
            1..13
                Location/Qualifiers
                /organism="Tetrahymena thermophila"
                /mol_type="mRNA"
                /strain="CU428.1"
                /db_xref="taxon:5911"
                /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
                /note="Vector: Bluescript2 SK+; Details on library
            preparation can be found in Chilcoat and Turkewitz (2001)
            Proc. Natl. Acad. Sci USA, 98: 8709-8713."
            2 a 3 c 7 g 1 t
            Query Match 0.7%; Score 11.4; DB 1; Length 13;
            Best Local Similarity 92.3%; Pred. No. 60;
            Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 716 AACTCGGTGGCGG 728
    |||||
Db 1 AACGGGTGGCGG 13

RESULT 111
LOCUS       BM398494                15 bp    mRNA        linear    EST 17-JAN-2002
DEFINITION  5009-0-46-A03.t.1 Chilcoat/Turkewitz cDNA (large fraction)
            Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION   BM398494
VERSION     BM398494.1  GI:18199547
KEYWORDS    EST.
SOURCE      Tetrahymena thermophila
ORGANISM    Tetrahymena thermophila
REFERENCE   1 (bases 1 to 15)
AUTHORS     Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
            J. and Klobutcher,L.
TITLE       EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
COMMENT     Contact: Turkewitz AP
            Molecular Genetics and Cell Biology
            University of Chicago
            920 E. 58th Street, Chicago, IL 60637, USA
            Tel: 773 702 4374
            Fax: 773 702 3172
            Email: apturkew@midway.uchicago.edu
            Seq primer: T3.
FEATURES             source
            1..15
                Location/Qualifiers

```


KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 16)
AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgaps@email.nih.gov
Life Technologies catalog #: 11547-015
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality
Seq primer: -40UP from Gibco
High quality sequence stop: 1.
Location/Qualifiers
1. .16
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2001457"
/tissue_type="lymphoma, follicular mixed small and large cell"
/lab_host="DH10B"
/clone_lib="NCI CGAP Lym12"
/note="Organ: lymph node; Vector: pCMV-SPORT6; Site: 1; SalI; Site 2: NotI; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.25 kb. Life Technologies catalog #: 11547-015"
BASE COUNT 0 a 11 c 5 g 0 t

Query Match 0.7%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 95;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1361 GGGACCGCGGGCGG 1376 16 bp mRNA linear EST 12-MAY-1999
LOCUS t028d10.x1 NCI CGAP Ut-4 Homo sapiens cDNA clone IMAGE:2180371.3, similar to TR:Q18444 Q18444 COSMID C34D4. ;contains MSRL.b2 MSRL repetitive element ;, mRNA sequence.
ACCESSION AF569544
VERSION AF569544.1 GI:4532918
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 16)
AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
JOURNAL Unpublished
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgaps@email.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R. Smert-Buck, M.D., Ph.D.
cDNA Library Preparation: Life Technologies, Inc.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:

www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality
Insert Length: 1683 Std Error: 0.00
Seq primer: -40UP from Gibco
High quality sequence stop: 1
POLVA=No.
Location/Qualifiers
1. .16
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2180371"
/tissue_type="serous papillary carcinoma, high grade, 2 pooled tumors"
/lab_host="DH10B"
/clone_lib="NCI CGAP Ut-4"
/note="Organ: uterus; Vector: pCMV-SPORT6; Site: 1; SalI; Site 2: NotI; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.48 kb. Life Technologies catalog #: 11542-016"
BASE COUNT 1 a 14 c 0 g 1 t

Query Match 0.7%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 95;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1547 GGGCGCGGGGAGGGG 1562 16 bp mRNA linear EST 17-JAN-2002
LOCUS BM400746
DEFINITION 5009-0-78-F05.t.1 Chilcoat/Turkewitz cDNA (large fraction)
ACCESSION BM400746
VERSION BM400746.1 GI:18200799
KEYWORDS EST.
SOURCE Tetrahymena thermophila
ORGANISM Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea; Hymenostomatida; Tetrahymenina; Tetrahymena.
REFERENCE 1 (bases 1 to 16)
AUTHORS Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E., Frankel, J., and Klobutcher, L.
TITLE EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL Unpublished
COMMENT Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
Location/Qualifiers
1. .16
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT 2 a 4 c 7 g 3 t

Query Match 0.7%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 95;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

QY 1434 CCACCGCGGGCATCCA 1449
Db 16 CCACCGCGTGACTCCA 1

RESULT 117
BQ590688/c
LOCUS
DEFINITION S013717-024-018-023-T7 MP1Z-ADIS-024-storage root Beta vulgaris
ACCESSION BQ590688
VERSION BQ590688.1 GI:26120271
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
REFERENCE Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
AUTHORS Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots,
Caryophyllales; Amaranthaceae; Beta.
1 (bases 1 to 16)
Herwig,R., Schulz,B., Weishaar,B., Hennig,S., Steinfath,M.,
Drungowski,M., Stahl,D., Wruick,W., Menze,A., O'Brien,J., Lehrach,H.
and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide
JOURNAL fingerprinting allows access to 25 000 potential sugar beet genes
COMMENT Plant J. 32 (5), 845-857 (2002)
Contact: Weishaar B
ADIS DNA core facility at MP1Z
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weishaar@piiz-koeln.mpg.de
Insert Length: 16 Std Error: 0.00
Place: 18 row: 0 column: 23
Seq primer: 17; GTAATACGACTCATATAGGCG.

FEATURES
source
1..16
Location/Qualifiers
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line
"/db_xref="GABI:189433"
/db_xref="taxon:161934"
/clone="024-018-023"
/tissue_type="storage root"
/lab_host="EMDH103"
/clone_lib="MP1Z-ADIS-024-storage root"
/notes="Vector: pCMVSPORT6; Site 1: Sali; Site 2: NotI;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatgut AG Einbeck, Germany, contact:
b.schulz@kws.de; cloning sites Sali-NotI, primer sites and
orientation:
SP6-Sali-CCACGGCTCG-5prime-cDNA-polyA-CC-NotI-T7; Note:
Sequencing granted in the context of the GABI-Beet project
, local PI: Dr. Katharina Schneider, coordinator; Prof.
Christian Jung; Sequence submission managed by
RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 16 c 0 g 0 t

Query Match 0.7%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 95;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1547 GGGGCGGGGGGGGG 1562
Db 16 GGGGCGGGGGGGGG 1

RESULT 118
A2861766
LOCUS
DEFINITION 2M0168K19R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
ACCESSION A2861766
clone UUGC2M0168K19 R, genomic survey sequence.

QY 1547 GGGGCGGGGGGGGG 1562
Db 16 GGGGCGGGGGGGGG 1

RESULT 119
A2604434
LOCUS
DEFINITION 1M0425I18F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
ACCESSION A2604434
clone UUGC1M0425I18 F, genomic survey sequence.

VERSION A2861766.1 GI:113058414
KEYWORDS Mus musculus (house mouse)
SOURCE Mus musculus
ORGANISM Mus musculus

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmud,M., Meenen,E., Pedersen,T., Reilly,
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.
and Wright,D., Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
JOURNAL plasmid inserts
COMMENT Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0168 row: K column: 19
Seq primer: CACACGAGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 25.

FEATURES
source
1..25
Location/Qualifiers
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0168K19"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adapted DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adapted mouse DNA was annealed to
adapted vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
BASE COUNT 0 a 24 c 1 g 0 t

Query Match 0.7%; Score 11.2; DB 1; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 82 CACCGCGCGGGCGACTCGCGCCC 105
Db 1 CCGCGCGCGCGCGCGCGCGCGCG 24

RESULT 119
A2604434
LOCUS
DEFINITION 1M0425I18F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
ACCESSION A2604434
clone UUGC1M0425I18 F, genomic survey sequence.

```

```

VERSION      AZ604434.1  GI:11726624
KEYWORDS     GSS.
SOURCE       Mus musculus (house mouse)
ORGANISM     Mus musculus
REFERENCE    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS     Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
            1 (bases 1 to 27)
            Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D., Weiss,R.
TITLE       Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plate: 0425 row: 1 column: 18
            Seq primer: CGTTGTAACGACGCCGACGT
            Class: plasmid ends
            High quality sequence stop: 27.
            Location/Qualifiers
FEATURES     source
            1..27
                /organism="Mus musculus"
                /mol_type="genomic DNA"
                /strain="C57BL/6J"
                /db_xref="taxon:10090"
                /clone="UUCG1M0425118"
                /sex="Male"
                /lab_host="E. Coli strain XL10-Gold, Ti-resistant, F-"
                /clone_lib="Mouse 10kb plasmid UUCG1M library"
                /notes="Vector: pKD2nv, Purified genomic DNA from M.
                musculus C57BL/6J (male) was obtained from the Jackson
                Laboratory Mouse DNA Resource
                (http://www.jax.org/resources/documents/dnares/). The DNA
                was hydrodynamically sheared by repeated passage through a
                0.005 inch orifice at constant velocity. The sheared DNA
                was blunt end-repaired with T4 DNA polymerase and T4
                polynucleotide kinase. Adaptor oligonucleotides were
                ligated to the blunt ends in high molar excess. The
                adaptor DNA was purified and size-selected for a 9.5 to
                10.5 kb range using preparative agarose gel
                electrophoresis. Vector DNA was prepared from a derivative
                of pWB42 (gi|4732114|gb|AF129072.1), a copy-number
                inducible derivative of plasmid R1. The vector was ligated
                with adaptors complementary to the insert adaptors and
                purified. The sheared, adaptor mouse DNA was annealed to
                adaptor vector DNA, and transformed into
                chemically-competent E. coli XL10-Gold (Stratagene) cells
                and selected for ampicillin resistance."
            0 a 26 c 0 g 1 t
            Query Match 0.78; Score 11; DB 1; Length 27;
            Best Local Similarity 63.0; Pred. No. 1.6e+02;
            Matches 17; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 84 CCGCCCGCGGCGACTCGCGCCGACG 110
    ||| ||| ||| ||| ||| ||| |||
Db 1 CCCCCCCCCCCCCCTCCCCCCCCCCC 27

RESULT 120
BM396472/c
LOCUS
DEFINITION
5009-0-21-C09.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
BM396472

```

```

VERSION      BM396472.1  GI:18196525
KEYWORDS     EST.
SOURCE       Tetrahymena thermophila
ORGANISM     Tetrahymena thermophila
REFERENCE    Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
AUTHORS     Hymenostomatida; Tetrahymena; Tetrahymena.
            1 (bases 1 to 15)
            Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
            J. and Klobutcher,L.
TITLE       EST from Tetrahymena thermophila, strain CU428.1, growing cells
            plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Turkewitz AP
            Molecular Genetics and Cell Biology
            University of Chicago
            920 E. 58th Street, Chicago, IL 60637, USA
            Tel: 773 702 4374
            Fax: 773 702 3172
            Email: apturkew@midway.uchicago.edu
            Seq primer: T3.
            Location/Qualifiers
FEATURES     source
            1..15
                /organism="Tetrahymena thermophila"
                /mol_type="mRNA"
                /strain="CU428.1"
                /db_xref="taxon:5911"
                /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
                /note="Vector: Bluescript2 SK+; Details on library
                preparation can be found in Chilcoat and Turkewitz (2001)
                Proc. Natl. Acad. Sci USA, 98: 8709-8713."
            1 a 4 c 7 g 3 t
            Query Match 0.78; Score 10.9; DB 1; Length 15;
            Best Local Similarity 85.7; Pred. No. 99;
            Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1434 CCACGCGGGGCATC 1447
    ||| ||| ||| ||| ||| ||| |||
Db 14 CCACGCGGGTCAGC 1

RESULT 121
AZ447239/c
LOCUS
DEFINITION
1M024M18F Mouse 10kb plasmid UUCG1M library Mus musculus genomic
clone UUCG1M024M18 F, genomic survey sequence.
ACCESSION
AZ447239
VERSION
AZ447239.1  GI:10599026
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 23)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
TITLE       Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
JOURNAL      Unpublished
COMMENT      Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plate: 0244 row: M column: 18
            Seq primer: CGTTGTAACGACGCCGACGT
            Class: plasmid ends
            High quality sequence stop: 23.

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FEATURES
source
Location/Qualifiers
1. .23
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGCLM0244M18"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGCLM library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT
0 a 1 c 22 g 0 t
Query Match 0.7%; Score 10.8; DB 1; Length 23;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 84 CCGCGCGCGCGCACTCGCGCCC 105
||| ||| ||| ||| ||| ||| |||
Db 23 CCCCCCCCCCGCGCGCGCGCCC 2

RESULT 122
AZ764518
LOCUS
DEFINITION
M0560L1R Mouse 10kb plasmid UUGCLM library Mus musculus genomic
clone UUGCLM0560L1 R, genomic survey sequence.
ACCESSION
AZ764518
VERSION
AZ764518.1 GI:12879563
KEYWORDS
GSS.
SOURCE
Mus musculus (house mouse)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 23)
REFERENCE
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL
Unpublished
COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: L column: 11
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 23.

FEATURES
source
Location/Qualifiers
1. .23
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGCLM0244M18"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGCLM library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT
0 a 1 c 22 g 0 t
Query Match 0.7%; Score 10.8; DB 1; Length 23;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 84 CCGCGCGCGCGCACTCGCGCCC 105
||| ||| ||| ||| ||| ||| |||
Db 23 CCCCCCCCCCGCGCGCGCGCCC 2

RESULT 122
AZ764518
LOCUS
DEFINITION
M0560L1R Mouse 10kb plasmid UUGCLM library Mus musculus genomic
clone UUGCLM0560L1 R, genomic survey sequence.
ACCESSION
AZ764518
VERSION
AZ764518.1 GI:12879563
KEYWORDS
GSS.
SOURCE
Mus musculus (house mouse)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 23)
REFERENCE
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL
Unpublished
COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: L column: 11
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 23.

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FEATURES          source
1. .24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0315D09"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWP42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT      0 a 23 c 1 g 0 t

Query Match      0.7%; Score 10.8; DB 1; Length 24;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 84 CCGCGCGCGCGCACTCGCGCCC 105
      |||||
Db 1 CCCCCCCCCCCCCCGCGCCCC 22

RESULT 124
AZ597705
LOCUS      24 bp DNA linear GSS 13-DEC-2000
DEFINITION clone UUGC1M0411G07 R, genomic survey sequence.
ACCESSION  AZ597705
VERSION     GI:11719695
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE   1 (bases 1 to 24)
AUTHORS    Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D., Weiss,R.
TITLE      Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
JOURNAL     Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plate: 0411 row: G column: 07
            Seq primer: CACACAGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 24.

FEATURES          source
1. .24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0411G07"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWP42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT      0 a 23 c 1 g 0 t

Query Match      0.7%; Score 10.8; DB 1; Length 24;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 84 CCGCGCGCGCGCACTCGCGCCC 105
      |||||
Db 2 CCCCCCCCCCCCCCGCGCCCC 23

RESULT 125
AZ375584
LOCUS      24 bp DNA linear GSS 02-OCT-2000
DEFINITION clone UUGC1M0125F04 F, genomic survey sequence.
ACCESSION  AZ375584
VERSION     GI:10489284
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE   1 (bases 1 to 24)
AUTHORS    Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D., Weiss,R.
TITLE      Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
JOURNAL     Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plate: 0129 row: F column: 04
            Seq primer: CGTTGTAACGACGCGCCACT
            Class: plasmid ends
            High quality sequence stop: 24.

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FEATURES
source
Location/Qualifiers
1. 24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUC1M0129F04"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT      0 a 23 c 1 g 0 t
Query Match      0.7%; Score 10.8; DB 1; Length 24;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 84 CCGCGCGCGCGCACTCGCGCCC 105
    |||||
Db 2 CCCCCCGCGCGCGCGCGCCC 23

RESULT 126
AZ764494
LOCUS
DEFINITION
1M0550306R Mouse 10kb plasmid UUC1M library Mus musculus genomic
clone UUC1M0560R06 R, genomic survey sequence.
ACCESSION
AZ764494
VERSION
AZ764494.1 GI:12879515
KEYWORDS
GSS.
SOURCE
Mus musculus (house mouse)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 24)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: E column: 06
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 24.

FEATURES
source
Location/Qualifiers
1. 24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUC1M0129F04"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT      0 a 23 c 1 g 0 t
Query Match      0.7%; Score 10.8; DB 1; Length 24;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 84 CCGCGCGCGCGCACTCGCGCCC 105
    |||||
Db 2 CCCCCCGCGCGCGCGCGCCC 23

RESULT 127
AZ649949
LOCUS
DEFINITION
1M0519P18R Mouse 10kb plasmid UUC1M library Mus musculus genomic
clone UUC1M0519P18 R, genomic survey sequence.
ACCESSION
AZ649949
VERSION
AZ649949.1 GI:11783942
KEYWORDS
GSS.
SOURCE
Mus musculus (house mouse)
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 27)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D., Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0519 row: P column: 18
Seq primer: CACACAGGAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 27.

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FEATURES source

Location/Qualifiers
1. 27
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0519P18"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 26 c 0 g 1 t

Query Match 0.7%; Score 10.8; DB 1; Length 27;
Best Local Similarity 68.2%; Pred. No. 1.6e+02;
Matches 13; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 84 CCGCGCGCGCGCACTCGCGCCC 105
|||
Db 2 CCCCCCCCCCCCCCTCCCCCCC 23

RESULT 128

AZ853311

LOCUS 31 bp DNA linear GSS 21-FEB-2001
DEFINITION 2M0156L23F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0156L23 F, genomic survey sequence.

ACCESSION AZ853311.1 GI:13041237

VERSION GSS.

KEYWORDS Mus musculus (house mouse)

SOURCE Mus musculus

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus. 1 (bases 1 to 31)

REFERENCE 1 (bases 1 to 31)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0156 row: L column: 23

Seq primer: CGTTGTAAACGACGCGCACT

Class: plasmid ends

High quality sequence stop: 31.

Location/Qualifiers
1. 31

/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0156L23"
/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 30 c 0 g 1 t

Query Match 0.7%; Score 10.8; DB 1; Length 31;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 18; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 84 CCGCGCGCGCACTCGCGCGCGCGCC 113
|||
Db 1 CCCCCCTCCCCCCCCCCCCCCCCCCC 30

RESULT 129

AZ324328/c

LOCUS 23 bp DNA linear GSS 29-SEP-2000
DEFINITION 1M0045B16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0045B16 F, genomic survey sequence.

ACCESSION AZ324328.1 GI:10379937

VERSION GSS.

KEYWORDS Mus musculus (house mouse)

SOURCE Mus musculus

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus. 1 (bases 1 to 23)

REFERENCE 1 (bases 1 to 23)

AUTHORS

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0046 row: B column: 16

Seq primer: CGTTGTAAACGACGCGCACT

Class: plasmid ends

High quality sequence stop: 23.

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FEATURES
source
Location/Qualifiers
1..23
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUCG1M0046B16"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUC1M library"
/notes="Vector: FWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT      2 a      8 c      10 g      3 t
Query Match      0.7%; Score 10.6; DB 1; Length 23;
Best Local Similarity 76.5%; Pred. No. 1.7e+02;
Matches 13; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 984 ACGACTCGCCACCGG 1000
Db 17 ACGCGCCGCCACCGG 1

RESULT 130
AA918967/c
LOCUS
DEFINITION
13 bp mRNA linear EST 10-JUN-1998
O182905.s1 NCI CGAP Kids Homo sapiens cDNA clone IMAGE:1536152 3'
similar to TR:Q69566 Q69566 ; contains element PTR7 repetitive
element ;, mRNA sequence.
ACCESSION
AA918967
AA918967.1 GI:3058857
VERSION
EST.
KEYWORDS
Homo sapiens (human)
SOURCE
Homo sapiens
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 13)
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."
AUTHORS
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E., Frankel, J. and Klobutcher, L.
TITLE
EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
Unpublished
COMMENT
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
Location/Qualifiers
1..13
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT      1 a      4 c      6 g      2 t
Query Match      0.7%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 90;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1364 GACCGCGGGGC 1375
Db 1 GACCGCGGTGC 12

FEATURES
source
Location/Qualifiers
1..13
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:1536152"
/tissue_type="2 pooled tumors (clear cell type)"
/lab_host="DH10B"
/clone_lib="NCI CGAP Kids"
/notes="Organ: Kidney; Vector: p7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGGCGCGCAATATTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified p7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M. Fatima Bonaldo."
BASE COUNT      0 a      2 c      6 g      5 t
Query Match      0.7%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 90;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 73 ACACGCACAC 84
Db 13 ACACGCACAC 2

RESULT 131
BM396557
LOCUS
DEFINITION
5009-0-22-P07.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
BM396557
BM396557.1 GI:18196625
VERSION
EST.
KEYWORDS
Tetrahymena thermophila
Tetrahymena thermophila
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
REFERENCE
1 (bases 1 to 13)
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E., Frankel, J. and Klobutcher, L.
TITLE
EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
Unpublished
COMMENT
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
Location/Qualifiers
1..13
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT      1 a      4 c      6 g      2 t
Query Match      0.7%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 90;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1364 GACCGCGGGGC 1375
Db 1 GACCGCGGTGC 12

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```

RESULT 132
BM396557/c
LOCUS
DEFINITION
5009-0-22-F07.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
BM396557
VERSION
BM396557.1 GI:18196625
KEYWORDS
EST.
SOURCE
Tetrahymena thermophila
ORGANISM
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
REFERENCE
1 (bases 1 to 13)
AUTHORS
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
J. and Klobutcher,L.
TITLE
EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
COMMENT
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
FEATURES
Location/Qualifiers
1..13
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT
1 a 4 c 6 g 2 t
Query Match 0.7%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 90;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1433 GCCACCGCGGC 1444
Db 12 GCCACCGCGGTC 1
Query Match 0.7%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 90;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1433 GCCACCGCGGC 1444
Db 12 GCCACCGCGGTC 1
RESULT 133
BM399961
LOCUS
DEFINITION
5009-0-63-G06.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
BM399961
VERSION
BM399961.1 GI:18200014
KEYWORDS
EST.
SOURCE
Tetrahymena thermophila
ORGANISM
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
REFERENCE
1 (bases 1 to 14)
AUTHORS
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
J. and Klobutcher,L.
TITLE
EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
COMMENT
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.

```

```

FEATURES
source
Location/Qualifiers
1..14
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT
1 a 5 c 7 g 1 t
Query Match 0.7%; Score 10.4; DB 1; Length 14;
Best Local Similarity 91.7%; Pred. No. 1e+02;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 717 ACTCGGTGGCGG 728
Db 3 ACGCGGTGGCGG 14
RESULT 134
BM396011/c
LOCUS
DEFINITION
5009-0-15-E12.t.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
BM396011
VERSION
BM396011.1 GI:18196064
KEYWORDS
EST.
SOURCE
Tetrahymena thermophila
ORGANISM
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymena.
REFERENCE
1 (bases 1 to 10)
AUTHORS
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
J. and Klobutcher,L.
TITLE
EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL
COMMENT
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
FEATURES
source
Location/Qualifiers
1..10
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
BASE COUNT
0 a 4 c 5 g 1 t
Query Match 0.6%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1433 GCCACCGCGG 1442
Db 10 GCCACCGCGG 1
RESULT 135
BM398849/c
LOCUS
DEFINITION
5009-0-5-G06.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION
BM398849

```

```

VERSION      BM398849.1  GI:18198902
KEYWORDS     Tetrahymena thermophila
SOURCE       Tetrahymena thermophila
ORGANISM     Tetrahymena thermophila
REFERENCE    Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
              Hymenostomatida; Tetrahymenina; Tetrahymena.
AUTHORS      Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
              J. and Klobutcher,L.
TITLE        EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL      Unpublished
COMMENT       Contact: Turkewitz AP
              Molecular Genetics and Cell Biology
              University of Chicago
              920 E. 58th Street, Chicago, IL 60637, USA
              Tel: 773 702 4374
              Fax: 773 702 3172
              Email: apturkew@midway.uchicago.edu
              Seq primer: T3.
              Location/Qualifiers
                1..10
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                  /mol_type="mRNA"
                  /strain="CU428.1"
                  /db_xref="taxon:5911"
                  /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
                  /note="Vector: Bluescript2 SK+; Details on library
                  preparation can be found in Chilcoat and Turkewitz (2001)
                  Proc. Natl. Acad. Sci USA, 98: 8709-8713."
              BASE COUNT  0 a  4 c  5 g  1 t
Query Match      0.6%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1433  GCCACCGCGG 1442
Db  10  GCCACCGCGG 1

FEATURES             source
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      /strain="CU428.1"
      /db_xref="taxon:5911"
      /clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
      /note="Vector: Bluescript2 SK+; Details on library
      preparation can be found in Chilcoat and Turkewitz (2001)
      Proc. Natl. Acad. Sci USA, 98: 8709-8713."
    BASE COUNT      0 a      6 c      5 g      2 t
Query Match      0.6%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1434  CCACCGCGGG 1443
Db  13  CCACCGCGGG 4

Search completed: December 23, 2003, 16:38:29
Job time : 6 secs

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VERSION      BM398849.1  GI:18198902
KEYWORDS     Tetrahymena thermophila
SOURCE       Tetrahymena thermophila
ORGANISM     Tetrahymena thermophila
REFERENCE    Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
              Hymenostomatida; Tetrahymenina; Tetrahymena.
AUTHORS      Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E., Frankel
              J. and Klobutcher,L.
TITLE        EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL      Unpublished
COMMENT       Contact: Turkewitz AP
              Molecular Genetics and Cell Biology
              University of Chicago
              920 E. 58th Street, Chicago, IL 60637, USA
              Tel: 773 702 4374
              Fax: 773 702 3172
              Email: apturkew@midway.uchicago.edu
              Seq primer: T3.
              Location/Qualifiers
                1..10
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                  /mol_type="mRNA"
                  /strain="CU428.1"
                  /db_xref="taxon:5911"
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                  /note="Vector: Bluescript2 SK+; Details on library
                  preparation can be found in Chilcoat and Turkewitz (2001)
                  Proc. Natl. Acad. Sci USA, 98: 8709-8713."
              BASE COUNT  0 a  4 c  5 g  1 t
Query Match      0.6%; Score 10; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1433  GCCACCGCGG 1442
Db  10  GCCACCGCGG 1

FEATURES             source
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      /note="Vector: Bluescript2 SK+; Details on library
      preparation can be found in Chilcoat and Turkewitz (2001)
      Proc. Natl. Acad. Sci USA, 98: 8709-8713."
    BASE COUNT      0 a      6 c      5 g      2 t
Query Match      0.6%; Score 10; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 11e+02;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1434  CCACCGCGGG 1443
Db  13  CCACCGCGGG 4

Search completed: December 23, 2003, 16:38:29
Job time : 6 secs

```

PT Identifying two nucleotides which are separated by an interval in
 PT double stranded nucleic acid using restriction endonuclease that
 PT generates 5' overhang, template-directed ligation to labeled adaptors
 PT and amplification -

XX
 PS Example 2; Page 29; 59pp; English.

XX
 CC The invention relates to an iterative and regenerative method for
 CC sequencing DNA. The method involves identifying two nucleotides which
 CC are separated by an interval in double stranded (ds) nucleic acid using
 CC restriction endonuclease that generates 5' overhang, template-directed
 CC ligation to labeled adaptors and amplification. The method is useful
 CC for identifying a first nucleotide n and a second nucleotide n+x in a
 CC ds nucleic acid segment which is a genomic DNA, cDNA, a product of an
 CC in vitro DNA amplification e.g., a polymerase chain reaction (PCR)
 CC product or a product of a strand displacement amplification, or a
 CC vector insert. It is also useful for sequencing an interval within a
 CC ds nucleic acid segment in several of staggered ds molecules produced
 CC from the double stranded nucleic acid segment. It is useful for
 CC removing all or a part of a primer sequence from a primer extended
 CC product and for automated sequencing of double-stranded DNA segments.
 CC The present sequence is an adaptor oligonucleotide used to illustrate
 CC the method of the invention.

XX
 SQ Sequence 24 BP; 4 A; 6 C; 11 G; 2 T; 1 other;

Query Match 1.1%; Score 17.2; DB 1; Length 24;
 Best Local Similarity 82.6%; Pred. No. 2e+02;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1305 CGCTCCTGGCTGCACTGGCGCC 1327

Db 24 CACTCCTGGCTGCACTGGCGCAC 2

Search completed: December 23, 2003, 16:34:55
 Job time : 25 secs

```

XX OS ischemia-reperfusion injury; PCR primer; ss.
XX OS Rattus norvegicus.
XX PN WO2000050562-A2.
XX PD 31-AUG-2000.
XX XX
XX PF 22-FEB-2000; 2000WO-US04413.
XX XX
XX PR 22-FEB-1999; 99US-0255376.
XX PR 13-AUG-1999; 99US-0387699.
XX XX
XX PA (SYNA-) SYNAPTIC PHARM CORP.
XX XX
XX PI Bonini JA, Borowsky BE, Acham N, Boyle N, Thompson TO;
XX WPI; 2000-558395/51.
XX DR
XX XX
XX PT Novel nucleic acid encoding mammalian SNORF25 receptor, for treating
XX PT abnormalities such as steroid hormone disorder, hypertension, diabetes,
XX PT asthma and respiratory disorders.
XX XX
XX PS Disclosure; Page 58; 145pp; English.
XX XX
XX CC The present PCR primer was used for RACE amplification of cDNA encoding
XX CC a rat SNORF25 receptor. Antagonists of SNORF25 receptor polypeptides
XX CC can be used for regulation of disorders of steroid hormone, epinephrine
XX CC release, gastrointestinal, cardiovascular, electrolyte balance,
XX CC respiratory, immune, endocrine, musculoskeletal, neuroendocrine,
XX CC cognitive, memory, somatosensory and neurotransmission, motor
XX CC coordination, sensory integration, motor integration, dopaminergic
XX CC function, appetite such as anorexia or obesity, somatosensory
XX CC neurotransmission, olfaction, autonomic nervous system, respiratory,
XX CC immune, endocrine, musculoskeletal, neuroendocrine, cognitive, memory,
XX CC affective, blood coagulation related, or developmental, or regulation
XX CC of hypertension, diabetes, pain, psychotic behaviour, migraine, cancer,
XX CC proliferative diseases, wound healing, tissue regeneration, or
XX CC ischemia-reperfusion injury related diseases.
XX XX
XX SQ Sequence 24 BP; 10 A; 4 C; 9 G; 1 T; 0 other;

Query Match 1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 86.4%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1247 GTCATCGAGGACACAGCTGGG 1268
| | | | | | | | | | | | | | | | | |
Db 3 GACAAAGAGGACACAGCTGGG 24

RESULT 69
AA74610/C
ID AAF74610 standard; DNA; 24 BP.
XX
XX AC AAF74610;
XX AC
XX DT 15-MAY-2001 (first entry)
XX DE
XX DE Cystic fibrosis transmembrane conductance regulator gene adapter #31.
XX KW Cystic fibrosis transmembrane conductance regulator; human; adapter;
XX KW DNA sequencing; gel resolution; medical diagnosis; genetic mapping;
XX KW genetic identification; forensic analysis; molecular biology research;
XX KW primer extended product; restriction endonuclease recognition domain;
XX KW RERD; primer; ss.
XX OS Homo sapiens.
XX XX
XX PN US6190889-B1.
XX XX
XX PD 20-FEB-2001.
XX XX

07-JAN-1999; 99US-0226683.
01-NOV-1996; 96US-0742755.
(IOWA ) UNIV IOWA RES FOUND.
Jones DH;
WPI; 2001-217897/22.
Removing primer sequence from, or blocking restriction endonuclease
(RE) recognition domain in primer extended product, comprises digesting
product by RE or an enzyme which cuts the RE recognition domain.
Example 2; Column 52; 49pp; English.

The present invention describes a method for removing a primer sequence
(PS) from a primer extended product (I) or blocking restriction
endonuclease recognition domain (RERD) in (I) involving digesting (I)
with: (a) a RE recognising double stranded (ds) RERD comprised by PS in
(I); or (b) an enzyme that recognises ds enzyme recognition site in (I)
thus blocking cutting mediated by RERD in (I), respectively. The method
can be used for removing a primer sequence from a primer extended product
or blocking restriction endonuclease recognition domain in a primer
extended product. The method is useful in DNA sequencing methods
including medical diagnostics, genetic mapping, genetic identification,
forensic analysis and molecular biology research. The present sequence
represents a cystic fibrosis transmembrane conductance regulator gene
adapter which is used in an example from the present invention for the
demonstration of interval sequencing mediated by class-III restriction
endonuclease generated 5' overhangs and template-directed ligation.

Sequence 24 BP; 4 A; 6 C; 11 G; 2 T; 1 other;

Query Match 1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1305 CGTCTCGTGGTGCACGTGGGCC 1327
| | | | | | | | | | | | | | | | | |
Db 24 CNETCTCGTGGTGCACGTGGGCC 2

RESULT 70
AAD42796/C
ID AAD42796 standard; DNA; 24 BP.
XX
XX AC AAD42796;
XX AC
XX DT 15-NOV-2002 (first entry)
XX DE
XX DE Adaptor oligonucleotide #27 used in the invention.
XX KW Regenerative method; sequencing; strand displacement amplification;
XX KW restriction endonuclease; identification; adaptor; ss.
XX OS Unidentified.
XX XX
XX PN US2002072055-A1.
XX PD 13-JUN-2002.
XX XX
XX PF 16-FEB-2001; 2001US-0788038.
XX XX
XX PR 01-NOV-1996; 96US-0742755.
XX PR 07-JAN-1999; 99US-0226683.
XX XX
XX PA (IOWA ) UNIV IOWA RES FOUND.
XX Jones DH;
XX WPI; 2002-589470/63.
XX DR
XX XX

```

DE Mouse RT-PCR primer Shh rp #1.
 XX Mouse; primer; ss; Hedgehog signalling pathway; T-cell mediated disease;
 KW T-cell apoptosis; Notch signalling pathway; cancer; breast; prostate;
 KW ovary; T-cell activation; T-cell proliferation; lymphoma; carcinoma;
 KW autoimmune disease; inflammatory disease; proliferative disorder;
 KW viral infection; genetic immunodeficiency; neurodegenerative disease;
 KW myelodysplastic syndrome; ischaemic injury; toxin-induced disease;
 KW wasting disease; RT-PCR; reverse transcriptase; Shh; sonic hedgehog.
 XX
 OS Mus musculus.
 XX
 XX WO200280952-A2.
 PN 17-OCT-2002.
 XX
 XX 09-APR-2002; 2002WO-GB01666.
 PF
 XX 09-APR-2001; 2001GB-0008872.
 PR 09-APR-2001; 2001GB-0008873.
 XX
 XX (LORA-) LORANTIS LTD.
 PA
 XX Lamb JR, Hoyne GF, Dallman MJ, Champion BR;
 PI
 XX WPI; 2003-058470/05.
 DR
 XX
 XX Use of a modulator of Hedgehog signalling pathways for treating T-cell
 PT mediated disease or infection and diseases associated with increased or
 PT decreased T-cell apoptosis and T-cell proliferation -
 PT
 XX Example 10; Page 110; 154pp; English.
 PS
 XX The invention relates to use of a modulator of a Hedgehog signalling
 CC pathway or a modulator of a target of the pathway in the preparation of a
 CC medicament for treating T-cell mediated disease or infection or a disease
 CC or disorder associated with increased or decreased T-cell apoptosis and
 CC for modification of peripheral T-cell activation or proliferation or
 CC T-cell apoptosis, and for modulation of the Notch signalling pathway in
 CC immune cells. The modulator is useful for treating cancer of the breast,
 CC prostate or ovary, lymphomas and carcinomas, autoimmune diseases such as
 CC systemic lupus erythematosus, multiple sclerosis and diabetes.
 CC inflammatory diseases such as osteoarthritis and Crohn's disease.
 CC proliferative disorders such as atherosclerosis and psoriasis, viral
 CC infections such as AIDS and herpesviruses, genetic immunodeficiencies,
 CC neurodegenerative diseases such as Alzheimer's disease and Parkinson's
 CC disease, myelodysplastic syndromes such as aplastic anaemia, ischaemic
 CC injuries such as myocardial infarction, toxin-induced diseases such as
 CC cirrhosis and wasting diseases such as cachexia. This sequence represents
 CC a reverse transcriptase PCR (RT-PCR) primer used in the scope of the
 CC invention.
 XX
 SQ Sequence 22 BP; 6 A; 5 C; 6 G; 5 T; 0 other;
 Query Match 1.1%; Score 17.2; DB 1; Length 22;
 Best Local Similarity 86.4%; Pred. No. 1.9e+02;
 Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 661 CGACTGGGTCTACTACGATCC 682
 Db |||||
 22 CGACTGGGTCTACTATGATCC 1
 RESULT 67
 AAX01774/c
 ID AAX01774 standard; DNA; 24 BP.
 XX
 XX AAX01774;
 AC
 XX 09-APR-1999 (first entry)
 DT
 XX Human cystic fibrosis transmembrane conductance regulator oligo #29.
 DE
 XX

KW Cystic fibrosis transmembrane conductance regulator; sequencing;
 KW genetic identification; forensic analysis; genetic counselling;
 KW medical diagnostic; offset collection; multiplex automation; primer; ss.
 XX Synthetic.
 OS Homo sapiens.
 XX US5858671-A.
 PN 12-JAN-1999.
 PD
 XX 01-NOV-1996; 96US-0742755.
 PF
 XX 01-NOV-1996; 96US-0742755.
 PR
 XX (IOWA) UNIV IOWA RES FOUND.
 PA
 XX Jones DH;
 PI
 XX WPI; 1999-119868/10.
 DR
 XX Sequencing of double stranded nucleic acids - by an iterative and
 PT regenerative method which uses a restriction enzyme with a cleavage
 PT site separate from its recognition site
 XX
 PS Example 2; Column 52; 52pp; English.
 XX
 CC This sequence is an oligonucleotide used to describe a sequencing method
 CC which identifies the first and second nucleotides in double (ds)
 CC nucleic acid segments. The method can be used to sequence DNA, for
 CC example, in genetic identification, forensic analysis, genetic
 CC counselling or medical diagnostics. The method sequences in discrete
 CC intervals that start at one end of each DNA segment. The method
 CC overcomes problems inherent in other sequencing methods, such as the need
 CC for gel resolution of DNA fragments and the generation of artifacts
 CC caused by ss DNA secondary structures. It can be used to create offset
 CC collections of DNA segments, and sequence the segments in parallel, to
 CC provide continuous sequence information over long intervals. This method
 CC is also suitable for automation and multiplex automation to sequence
 CC large sets of segments.
 XX
 SQ Sequence 24 BP; 4 A; 6 C; 11 G; 2 T; 1 other;
 Query Match 1.1%; Score 17.2; DB 1; Length 24;
 Best Local Similarity 82.6%; Pred. No. 2e+02;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 QY 1305 CGCTCTGGTGCACGTGGCGCC 1327
 Db |||||
 24 CACTCTGGTGCACGTGGCGAC 2
 RESULT 68
 AAA64229
 ID AAA64229 standard; DNA; 24 BP.
 XX
 XX AAA64229;
 AC
 XX 20-DEC-2000 (first entry)
 DT
 XX RACE PCR primer JAB73 for cDNA encoding SNORF25 receptor.
 DE
 XX
 KW SNORF25 receptor; steroid hormone disorder; epinephrine release disorder;
 KW gastrointestinal disorder; cardiovascular disorder; immune disorder;
 KW electrolyte balance disorder; respiratory disorder; endocrine disorder;
 KW musculoskeletal disorder; neuroendocrine disorder; cognitive disorder;
 KW memory disorder; somatosensory disorder; neurotransmission disorder;
 KW motor coordination disorder; sensory integration disorder; anorexia;
 KW motor integration disorder; dopaminergic function disorder; obesity;
 KW appetite disorder; somatosensory neurotransmission disorder; diabetes;
 KW olfaction disorder; autonomic nervous system disorder; pain; migraine;
 KW respiratory disorder; hypertension; psychotic behaviour; cancer;
 KW proliferative disease; wound healing; tissue regeneration;
 KW

CC agents that can modulate activity of cellular proteins involved in tissue
 CC proliferation and differentiation. Hedgehog proteins can also be used to
 CC expand a population of neural stem cells from a subject, then the cells
 CC are returned to the subject, specifically for treatment of Parkinson's or
 CC Alzheimer's diseases or spinal cord injury. Bigenic animals derived from
 CC (A) make it possible to activate otherwise silent transgenes in progeny
 CC from a simple cross since the transcription activator and the silent
 CC transgene are maintained in separate mouse lines, and abnormal expression
 CC is only induced in the bigenic animal. This eliminates the need for
 CC microinjection and genotypic screening for each experiment, and many
 CC bigenic embryos can be produced by cross-breeding.

XX Sequence 21 BP; 5 A; 6 C; 4 G; 6 T; 0 other;

Query Match 1.1%; Score 17.8; DB 1; Length 21;
 Best Local Similarity 90.5%; Pred. No. 1.5e+02;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 557 GAGGAGTCTCTGCACTACGAG 577
 Db 21 GAGGAGTCTCTACACTATGAG 1

RESULT 64
 AAD52804
 ID AAD52804 standard; DNA; 21 BP.

XX AAD52804;
 AC
 DT 14-MAY-2003 (first entry)

XX LipA gene sequencing PCR primer, JOM3.

XX Flour dough; baked product; noodle product; pasta product; cake; LipA;
 KW lipase; PCR; primer; ss.

XX Unidentified.

XX WO200294123-A2.

XX 28-NOV-2002.

XX 17-MAY-2002; 2002WO-IB02792.

XX 18-MAY-2001; 2001GB-0012226.

XX 09-JAN-2002; 2002US-347007P.

XX (DANI-) DANISCO AS.

XX Bojseen K, Poulsen CH, Soe JB;

XX WPI; 2003-120738/11.

XX Preparing flour dough for preparing baked products, by adding an enzyme
 PT that hydrolyses glycolipid and phospholipid, but not triglyceride
 PT and/or 1-monoglyceride, to dough components and mixing dough components

XX Disclosure; Page 106; 107pp; English.

XX The invention relates to a method of preparing flour dough for preparing
 CC baked products. The method involves adding an enzyme that hydrolyses
 CC glycolipid and phospholipid, but not triglyceride and/or 1-monoglyceride,
 CC to dough components and mixing dough components. The method is useful for
 CC preparing a flour dough which is useful for producing baked products,
 CC noodle products, pasta products and cakes. The invention also provides
 CC a method for improving the strength and machinability of doughs and the
 CC volume, softness and crumb structure of bread and other baked products.
 CC The present sequence is a PCR primer used to sequence lipase (LipA)
 CC gene. This primer is used to illustrate the method of the invention.

XX Sequence 21 BP; 0 A; 7 C; 9 G; 5 T; 0 other;

Query Match 1.1%; Score 17.8; DB 1; Length 21;
 Best Local Similarity 90.5%; Pred. No. 1.5e+02;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1020 GCTCGGGGCGCCTTCGGGG 1040
 Db 1 GCTCGGTGCTCGCTTCGGGG 21

RESULT 65
 ABT03636
 ID ABT03636 standard; DNA; 25 BP.

XX ABT03636;

XX 13-SEP-2002 (first entry)

XX Human Hey-2 gene PCR primer SEQ ID NO: 157.

XX Human; cancer; neoplastic disease; tumour specific marker; cytostatic;
 KW transcription factor; PCR; primer; ss.

XX Homo sapiens.

XX WO200240716-A2.

XX 23-MAY-2002.

XX 13-NOV-2001; 2001WO-US43461.

XX 16-NOV-2000; 2000US-249508P.

XX (CEMI-) CEMINES LLC.

XX Palm K;

XX WPI; 2002-537346/57.

XX Determining the presence of neoplastic molecular markers, by
 PT identifying the presence of markers in host test sample using array of
 PT neoplastic molecular marker specific reagents and analyzing the array
 PT of the reagents -

XX Example 1; Page 15; 41pp; English.

XX The present invention relates to a method for determining the presence of
 CC neoplastic molecular markers in a host, involving the use of neoplastic
 CC molecular marker specific reagents to detect such markers and analysing
 CC the array of reagents, allowing the identification of the neoplastic
 CC disease present. This can be used to determine the best treatment for
 CC cancers, in particular neural cell, lung and prostate tumours. The
 CC present sequence is a PCR primer useful for detecting the coding
 CC sequences of markers of the invention.

XX Sequence 25 BP; 4 A; 6 C; 9 G; 6 T; 0 other;

Query Match 1.1%; Score 17.6; DB 1; Length 25;
 Best Local Similarity 83.3%; Pred. No. 1.8e+02;
 Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 195 CGCTGCTGTATGCTCGGACTGG 218
 Db 1 CACTGTGCTTCTGTGAGGACTGG 24

RESULT 66
 ABS55991/c
 ID ABS55991 standard; DNA; 22 BP.
 XX ABS55991;
 AC
 XX 23-JAN-2003 (first entry)

XX PA (UNYNY) UNIV NEW YORK STATE.
 XX PI Altaba ARI;
 XX WPI; 2001-366473/38.
 XX DR
 XX PT Detecting the onset or presence of skin cancer, particularly sporadic
 XX PT basal cell carcinoma, comprises measuring the level of Gli1 in the
 XX PT sample -
 XX
 XX SQ Disclosure; Column 8; 2lpp; English.

XX This invention relates to a method of detecting the onset or presence of
 CC sporadic basal cell carcinoma (BCC) in an animal. The method involves
 CC measuring the level of Gli1 in a sample of skin. Gli1 levels above basal
 CC or normal indicate the presence or onset of sporadic basal cell
 CC carcinoma. Gli1 is a zinc finger transcription factor down stream of
 CC secreted sonic hedgehog (shh) activation in a cascade of cytoplasmic
 CC signal transduction. Gli1 in turn can induce Shh expression in an
 CC auto regulatory manner. There are links between ectopic expression of the
 CC Gli1 gene and the development or onset of BCC. The method is useful for
 CC detecting the onset or presence of sporadic basal cell carcinoma,
 CC particularly in detecting skin cancer. The present sequence represents a
 CC PCR primer specific for human Shh cDNA. The primer is used in the method
 CC of the invention.

XX SQ Sequence 18 BP; 4 A; 5 C; 5 G; 4 T; 0 other;
 Query Match 1.1%; Score 18; DB 1; Length 18;
 Best Local Similarity 100.0%; Pred. No. 1.3e+02;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 559 GGAGTCTCTGCACCTACGA 576
 DB 18 GGAGTCTCTGCACCTACGA 1
 |||||
 |||||

RESULT 62
 AAA95383/c
 ID AAA95383 standard; DNA; 21 BP.
 XX
 XX AAA95383;
 XX
 XX 12-FEB-2001 (first entry)
 XX
 XX Rat Shh coding sequence PCR primer #2.
 XX
 XX Rat; Nurr1; tyrosine hydroxylase; catecholamine-related disease;
 KW Parkinson's disease; manic depression; schizophrenia; PCR primer; ss.
 XX
 XX Rattus norvegicus.
 OS
 XX WO200058451-A1.
 XX
 XX 05-OCT-2000.
 XX
 XX 21-MAR-2000; 2000WO-US07544.
 XX
 XX 26-MAR-1999; 99US-0277078.
 XX
 XX (SALK) SALK INST BIOLOGICAL STUDIES.
 PA
 XX Sakurada K, Palmer T, Gage FH;
 PI
 XX WPI; 2000-656165/63.
 XX
 XX Cell comprising exogenous nucleic acid inducing tyrosine hydroxylase
 PT expression useful for treating catecholamine-related diseases such as
 PT Parkinson's disease, manic depression and schizophrenia -
 XX
 XX Example 1; Page 20; 68pp; English.

CC The present invention describes the rat Nurr1 coding and protein
 CC sequences. The Nurr1 protein is involved in the induction of tyrosine
 CC hydroxylase expression in adult rat-derived hippocampal progenitor cells.
 CC The Nurr1 gene and protein can be used in the treatment of
 CC catecholamine-related diseases such as Parkinson's disease, manic
 CC depression and schizophrenia. They can also be used to induce tyrosine
 CC hydroxylase expression and identify tyrosine hydroxylase related
 CC deficiencies, which are linked to the same diseases. The present sequence
 CC is a PCR primer used in a method to differentiate adult neural progenitor
 CC cells.
 XX
 XX SQ Sequence 21 BP; 2 A; 7 C; 5 G; 7 T; 0 other;
 Query Match 1.1%; Score 17.8; DB 1; Length 21;
 Best Local Similarity 90.5%; Pred. No. 1.5e+02;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 604 TGACCGGACCGCAGCAAGTA 624
 DB 21 TGACCGGACCGCAGCAAGTA 1
 |||||
 |||||

RESULT 63
 AAZ49111/c
 ID AAZ49111 standard; DNA; 21 BP.
 XX
 XX AAZ49111;
 AC
 XX 06-APR-2000 (first entry)
 XX
 XX PCR primer for mouse Shh gene.
 DE
 XX
 XX Upstream activating sequence; transgenic animal; regulatory DNA sequence;
 KW hedgehog gene; bigenic animal; transcriptional activating sequence;
 KW disease model; cancer; altered vascularisation; brain size regulation;
 KW autoimmune disease; tissue proliferation; Parkinson's disease; Shh;
 KW Alzheimer's disease; spinal cord injury; therapy; PCR primer; ss.
 XX
 XX Mus sp.
 OS
 XX WO9963052-A2.
 PN
 XX 09-DEC-1999.
 XX
 XX 03-JUN-1999; 99WO-US12417.
 XX
 XX 03-JUN-1998; 98US-0087899.
 XX
 XX (HARD) HARVARD COLLEGE.
 XX
 XX Rowitch DH, McMahon AP;
 PI
 XX WPI; 2000-105693/09.
 DR
 XX
 XX Transgenic animals useful as disease models, e.g. for cancer -
 PT
 XX
 XX Example 1; Page 20; 44pp; English.

CC This sequence represents a PCR primer for the mouse Shh gene.
 CC The invention relates to a transgenic non-human animal (A) whose cells
 CC contain a non-viral regulatory DNA sequence (I) (e.g. an upstream
 CC activating sequence) linked to a recombinant hedgehog gene (II), which
 CC was introduced into the mammal, or its ancestor, at an embryonic stage.
 CC Bigenic animals (A'), derived from (A) by introducing a transcriptional
 CC activating sequence (TAS), are useful as models of disease, particularly
 CC cancer (of breast, skin, prostate, kidney, lung, or central nervous
 CC system, also primitive neuroectodermal tumours and medulloblastoma).
 CC Particularly they are used to assess the effect of misexpression of
 CC target genes on signalling pathways involving hedgehog proteins (HP)
 CC (e.g. altered vascularisation, regulation of brain size, density and
 CC cellular concentration etc.), and for assaying for a temporal requirement
 CC for HP in disease progression (particularly of cancers and autoimmune
 CC disease). The animals can be used to screen for potential therapeutic

CC producing neuroectoderm cells. It is also useful for producing
 CC differentiated or partially differentiated cells from neural ectoderm
 CC cells. The method can be also useful for maintaining neuroectoderm cells
 CC in vitro in homogeneous cell populations. It can also be used for
 CC producing genetically modified neuroectoderm cells. The cells can be used
 CC in the treatment of neuronal diseases, including Parkinson's disease,
 CC Huntington's disease, lysosomal storage diseases, multiple sclerosis,
 CC memory and behavioural disorders, and Alzheimer's disease. The method can
 CC also be used for preparation of tissue or organs for transplant. Neural
 CC crest cells produced by the method are useful for the treatment of spinal
 CC cord disorders and Schwann cells produced by the method are used for the
 CC treatment of multiple sclerosis.

XX Sequence 20 BP; 5 A; 2 C; 9 G; 4 T; 0 other;

Query Match 1.2%; Score 18.4; DB 1; Length 20;
 Best Local Similarity 95.0%; Pred. No. 1.2e+02;
 Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 855 ACAGCGACTTCCTCAGCTTC 874
 Db 20 ACAGCGACTTCCTCAGCTTC 1

RESULT 59

AA15200
 ID AAX15200 standard; DNA; 24 BP.

AC AAX15200;

DT 25-MAR-2003 (updated)

DT 28-APR-1999 (first entry)

DE Central region sequence.

XX Double-stranded DNA; triple helix; quinoline; palindrome;
 KW quinazoline-based structure; hydrogen bonding; ds.

XX Synthetic.

XX WO9623777-A1.

XX 08-AUG-1996.

XX 29-JAN-1996; 96NO-US01473.

XX 01-FEB-1995; 95US-0384324.

XX (UYNE-) UNIV NEBRASKA.

XX Gold BI;

XX WPI; 1996-371338/37.

XX New substd. quinoline and quinazoline cpds. - are monomers for
 PT triple helix-forming oligo;nucleotide analogues useful e.g. for
 PT treating tumours or viral infection

XX Example 11; Page 57; 102pp; English.

XX The specification describes novel monomeric compositions which are
 CC substituted quinoline or quinazoline-based structures capable of
 CC hydrogen bonding specifically with interstrand purine-pyrimidine
 CC pairs in a double stranded Watson-Crick DNA molecule to form a
 CC triple-helix. The present sequence appears in the specification.
 CC (Updated on 25-MAR-2003 to correct PF field.)

XX Sequence 24 BP; 3 A; 9 C; 10 G; 2 T; 0 other;

Query Match 1.2%; Score 18.2; DB 1; Length 24;
 Best Local Similarity 87.0%; Pred. No. 1.5e+02;
 Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1001 GAGCCCGAGCGCTCTCGGCTC 1023
 Db 2 GAGCCCGAGCGCGCTCTCGGCTC 24

RESULT 60

AAV59458/C
 ID AAV59458 standard; DNA; 25 BP.

AC AAV59458;

DT 21-DEC-1998 (first entry)

DE Hedgehog protein derivative primer 2.

XX ds; Hedgehog protein; cancer; PCR; primer; amplification.

XX Synthetic.

XX JPI0215867-A.

PD 18-AUG-1998.

PF 04-FEB-1997; 97JP-0021811.

PR 04-FEB-1997; 97JP-0021811.

PA (ASAG) ASAHI GLASS CO LTD.

XX WPI; 1998-499061/43.

XX Hedgehog protein derivative and gene encoding it - useful for
 PT prediction and diagnosis of various diseases e.g. lung cancer

XX Disclosure; Page 6; 7pp; Japanese.

CC The primers AAV59457-V59462 were used in the production of hedgehog a
 CC (hh) protein derivative may be used in the prediction and diagnosis of
 CC various diseases e.g. cancer.

XX Sequence 25 BP; 3 A; 9 C; 8 G; 5 T; 0 other;

Query Match 1.2%; Score 18.2; DB 1; Length 25;
 Best Local Similarity 87.0%; Pred. No. 1.5e+02;

Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 722 GTGCGGCCCAATCGGAGCTG 744

Db 24 GTGCGGCCCAATCGGAGCTG 2

RESULT 61

AAH45474/C

ID AAH45474 standard; DNA; 18 BP.

AC AAH45474;

DT 07-SEP-2001 (first entry)

DE PCR primer Shh-D specific for human secreted sonic hedgehog cDNA.

XX Sporadic basal cell carcinoma; BCC; detection; Gli1; skin cancer;
 KW transcription factor; PCR primer; human; ss; sonic hedgehog; shh.

XX Homo sapiens.

XX US6238876-B1.

XX 29-MAY-2001.

XX 22-JUN-1998; 98US-0102491.

XX 20-JUN-1997; 97US-0050286.

be distinguished from adult cells in a blood specimen by (a) treating a blood specimen from a pregnant female to yield a mixture of cells comprising foetal cells and adult cells; (b) amplifying one or more mRNAs within the cells, the mRNAs being selectively expressed in target foetal cells to be distinguished but not expressed in adult blood cells; (c) performing in situ hybridisation on the cells under hybridising conditions suitable to maintain cell membranes in a substantially intact state and with a hybridisation medium comprising a detectably labelled probe complementary to the amplified mRNA that is selectively expressed in the target foetal cells but not expressed in adult blood cells; (d) removing the hybridisation medium and unhybridised probe from the mixture of cells to yield hybridised cells; and (e) detecting the labelled probe remaining in the hybridised cells; whereby cells in which the labelled probe is detected are identified as the target foetal cells; A second method for determining the presence of a target nucleotide sequence in individual foetal cells present in a cellular specimen is also provided. The methods (especially the second) is useful for detecting HIV, hepatitis viruses or herpes viruses in foetal cells, or for detecting chromosomal abnormalities in foetal cells. The present sequence represents a probe used for the detection of the Fragile X chromosome in amniocytes and in peripheral blood mononuclear cells.

Sequence 25 BP; 0 A; 9 C; 16 G; 0 U; 0 other;

Query Match 1.2%; Score 18.6; DB 1; Length 25;
 Best Local Similarity 84.0%; Pred. No. 1.4e+02;
 Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGGGGACGCGGGGCGCGGC 1381
 Db 1 CGCGGGGCGCGGGGCGCGGC 25

RESULT 57

AAV62410
 ID AAV62410 standard; DNA; 20 BP.

AC AAV62410;

DT 02-FEB-1999 (first entry)

DE Human Desert hedgehog gene sense PCR primer.

XX Desert hedgehog; human; HUDHH; PCR; RACE; primer; ss.

XX Synthetic.

XX Homo sapiens.

XX EP874048-A2.

XX 28-OCT-1998.

XX 24-APR-1998; 98EP-0303187.

XX 14-APR-1998; 98JP-0117873.

XX 25-APR-1997; 97JP-0121578.

PA (HAYB) HAYASHIBARA SEIBUTSU KAGAKU.

PI Ariyasu T, Nakamura S, Orita K;

XX WPI; 1998-544642/47.

XX Human Desert hedgehog protein - and corresponding DNA and monoclonal antibody

PS Example 1-4; Page 10; 39pp; English.

CC This sense primer corresponds to nucleotides 460-479 of a cDNA clone (see AAV62396) coding for novel human Desert hedgehog protein (see AAW79596). It was used with an antisense primer (see AAV62411) in a first-step PCR amplification of human leukaemia plasma cell line ARH-77 (ATCC CRL-1621) cDNA in a modified PCR method of

CC 3'RACE. 2 Subsequent PCR amplifications (see AAV62423-26) yielded a cDNA clone (see AAV62399) encoding a C-terminal fragment (see AAW79599) of the novel human Desert hedgehog protein. Nucleotide sequences (see AAV62393-95) encoding mature and precursor forms (see AAW79593-95) of human Desert hedgehog are claimed. The Desert hedgehog DNA, protein and a claimed monoclonal antibody can be used in to elucidate hereditary morphological abnormalities in humans to establish their treatments and diagnoses.

XX Sequence 20 BP; 3 A; 5 C; 6 G; 6 T; 0 other;

Query Match 1.2%; Score 18.4; DB 1; Length 20;
 Best Local Similarity 95.0%; Pred. No. 1.2e+02;
 Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 GCGTCGACTGGGTCTACTA 675
 Db 1 GCGTCGACTGGGTCTACTA 20

RESULT 58

AAF87046/C

ID AAF87046 standard; DNA; 20 BP.

XX AC AAF87046;

XX DT 18-SEP-2001 (first entry)

XX DE PCR primer for Shh gene.

XX XX

XX PCR primer; neuroectoderm cell; cell production; Parkinson's disease; early primitive ectoderm-like cell; BPL cell; cell therapy;
 KW transgenic animal; gene therapy; neuronal disease; Huntington's disease;
 KW lysosomal storage disease; multiple sclerosis; memory disorder;
 KW behavioural disorder; Alzheimer's disease; organ transplant;
 KW spinal cord disorder; Shh; ss.

XX Unidentified.

XX WO200151611-A1.

XX 19-JUL-2001.

XX 12-JAN-2001; 2001WO-AU000030.

XX 14-JAN-2000; 2000AU-0005098.

XX 20-APR-2000; 2000AU-0007045.

XX 27-APR-2000; 2000AU-0007143.

XX (BRES-) BRESAGEN LTD.

XX Rathjen PD, Rathjen J;

XX WPI; 2001-432908/46.

XX Producing neuroectoderm cells for treatment of Parkinson's and Alzheimer's and for transplantation comprises culturing early primitive ectoderm-like cells in conditioned medium -

XX Example 3; Page 41; 91pp; English.

XX This sequence represents a PCR primer for the Shh gene, used within the scope of the invention. The invention relates to a method for producing neuroectoderm cells (I) comprises: (a) providing a source of early primitive ectoderm-like (EPL) cells and a neural-inducing conditioned medium (CM) or extract of it; and (b) contacting the EPL cells with the CM or extract for a time sufficient to generate controlled differentiation to (I). The cells or partially differentiated progeny are useful in human, or animal cell therapy, transgenic animal production, human or animal gene therapy, the screening of pharmaceutical that induce a biological response in neuroectoderm cells or their partially differentiated progeny and evaluation of biological molecules that direct differentiation of neural cells. The method is useful for

KW fluorescent; kit; detection; haemoglobin; rhesus; gamma globulin;
 KW NR; nitrogen reductase; ss.

XX Homo sapiens.

PN WO9402646-A1.

XX 03-FEB-1994.

XX 19-JUL-1993; 93WO-US06828.

XX 17-JUL-1992; 92US-0915965.

XX (RERE-) RES DEV FOUND.

XX Aagari M, Blick M, Bresser J, Cubbage ML, Ju S;
 PI Prashad N;

XX WPI; 1994-048903/06.

XX Identifying foetal cells, conc. from maternal blood, using
 PT specific marker - e.g. surface antigen, before in situ
 PT hybridisation of target nucleic acid to detect viral infection,
 PT genetic abnormality, etc.

PS Disclosure; Page 73; 109pp; English.

XX Probes (AAQ55857-873) detect regions of 3 fragments of the HUMGLN
 CC gene (AAQ64058). Bases 1-91 correspond to bases 2179-2269 of HUMGLN,
 CC bases 92-314 are from 2393-2615 of HUMGLN and bases 315-443 are
 CC from 3502-3630 of HUMGLN.

XX The probes (AAQ55854-55) were used as control, positive and negative
 CC genetic testing probes. Probe (AAQ55856) was used to detect the fragile
 CC X condition (Example 14)

CC (Updated on 25-MAR-2003 to correct PN field.)

XX Sequence 25 BP; 0 A; 9 C; 16 G; 0 U; 0 other;

Query Match 1.2%; Score 18.6; DB 1; Length 25;

Best Local Similarity 84.0%; Pred. No. 1.4e+02;

Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGGGGACCGCGGGCGCGCGCGC 1381

Db 1 CGCGGGGCGCGCGGGCGCGCGCGC 25

RESULT 55

AAQ85271

ID AAQ85271 standard; DNA; 25 BP.

XX AAQ85271;

XX 25-MAR-2003 (updated)

DT 24-AUG-1995 (first entry)

XX Probe for Fragile X condition.

DE Prenatal diagnosis; fragile X; probe; ss.

XX Synthetic.

XX WO9503431-A1.

XX 02-FEB-1995.

XX 19-JUL-1994; 94WO-US08342.

XX 19-JUL-1993; 93US-0094710.

XX (APRO-) APROGENEX INC.

XX Bresser J, Weber WD, Ryusaki T, Prashad N, Cubbage ML, Blick M;

PI Aagari M, Poindexter BJ;

XX WPI; 1995-075255/10.

XX Identifying foetal cells in samples contg. maternal cells - used
 PT for monitoring foetus status, identifying sex or detecting
 PT genetic abnormalities or viral infection

XX Example; Page 75; 115pp; English.

XX In the example, Fragile X Chromosome is identified in amniocytes
 CC and in peripheral blood mononuclear cells. The 5' aminohexyl oligos
 CC is coupled to the fluorescent dye fluorescein. When an
 CC amplification of the CGG DNA fragment (of the X chromosome in
 CC Xq27.3) is present, there is an increase in the intensity of the
 CC signal.

CC (Updated on 25-MAR-2003 to correct PN field.)

CC (Updated on 25-MAR-2003 to correct PI field.)

XX Sequence 25 BP; 0 A; 9 C; 16 G; 0 U; 0 other;

Query Match 1.2%; Score 18.6; DB 1; Length 25;

Best Local Similarity 84.0%; Pred. No. 1.4e+02;

Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGGGGACCGCGGGCGCGCGCGC 1381

Db 1 CGCGGGGCGCGGGCGCGCGCGC 25

RESULT 56

AAQ05267

ID AAX05267 standard; DNA; 25 BP.

XX AAX05267;

XX 14-APR-1999 (first entry)

XX Fragile X chromosome detecting probe.

XX Genetic testing; foetal cell; maternal; blood; pregnant; hybridisation;
 KW detection; HIV, hepatitis virus; herpes virus; chromosomal abnormality;
 KW probe; ss.

XX Synthetic.

XX Homo sapiens.

XX US5858649-A.

XX 12-JAN-1999.

XX 31-DEC-1996; 96US-0775609.

XX 17-JUL-1992; 92US-0915765.

XX 19-JUL-1993; 93US-0094710.

XX 19-JUL-1994; 94WO-US08342.

XX 17-JAN-1995; 95US-0374144.

XX 31-DEC-1996; 96US-0775609.

XX (APRO-) APROGENEX INC.

XX Aagari M, Blick M, Bresser J, Cubbage ML, Prashad N;

XX WPI; 1999-152096/13.

XX Method for distinguishing foetal cells from adult cells in blood -
 PT based on amplification and detection of mRNA selectively expressed
 PT in foetal cells

XX Example 4, 14; Column 49; 49pp; English.

XX The invention relates to a method of enriching foetal cells from
 CC maternal blood and for identifying such foetal cells. Foetal cells can

CC diseases involving cell proliferation or differentiation.

SQ Sequence 19 BP; 2 A; 6 C; 5 G; 6 T; 0 other;

Query Match 1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 784 CACCAAGCTGGTGAAGGAC 802

Db 19 CACCAAGCTGGTGAAGGAC 1

RESULT 52

AAH45473

ID AAH45473 standard; DNA; 19 BP.

XX AC

XX AAH45473;

DT 07-SEP-2001 (first entry)

XX PCR primer Shh-U2 specific for human secreted sonic hedgehog cDNA.

DE Sporadic basal cell carcinoma; BCC; detection; Gli1; skin cancer;
KW transcription factor; PCR primer; human; ss; sonic hedgehog; shh.

XX Homo sapiens.

OS

XX US6238876-B1.

FN 29-MAY-2001.

XX 22-JUN-1998; 98US-0102491.

XX 20-JUN-1997; 97US-0050286.

PR (UUNY) UNIV NEW YORK STATE.

XX Altaba ARI;

XX WPI; 2001-366473/38.

XX Detecting the onset or presence of skin cancer, particularly sporadic

PT basal cell carcinoma, comprises measuring the level of Gli1 in the

PT sample -

XX Disclosure; Column 8; 2lpp; English.

XX This invention relates to a method of detecting the onset or presence of

CC sporadic basal cell carcinoma (BCC) in an animal. The method involves

CC measuring the level of Gli1 in a sample of skin. Gli1 levels above basal

CC or normal indicate the presence or onset of sporadic basal cell

CC carcinoma. Gli1 is a zinc finger transcription factor down stream of

CC secreted sonic hedgehog (shh) activation in a cascade of cytoplasmic

CC signal transduction. Gli1 in turn can induce Shh expression in an

CC auto regulatory manner. There are links between ectopic expression of the

CC Gli1 gene and the development or onset of BCC. The method is useful for

CC detecting the onset or presence of sporadic basal cell carcinoma,

CC particularly in detecting skin cancer. The present sequence represents a

CC PCR primer specific for human Shh cDNA. The primer is used in the method

CC of the invention.

XX SQ Sequence 19 BP; 7 A; 6 C; 3 G; 3 T; 0 other;

XX Query Match 1.2%; Score 19; DB 1; Length 19;

XX Best Local Similarity 100.0%; Pred. No. 99;

XX Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 343 GAAGATCTCCAGAACTCC 361

Db 1 GAAGATCTCCAGAACTCC 19

RESULT 53

AAH45477

ID AAH45477 standard; DNA; 19 BP.

XX AC

XX AAH45477;

DT 07-SEP-2001 (first entry)

XX PCR primer Shh-U1 specific for human secreted sonic hedgehog cDNA.

DE Sporadic basal cell carcinoma; BCC; detection; Gli1; skin cancer;

XX transcription factor; PCR primer; human; ss; sonic hedgehog; shh.

XX Homo sapiens.

XX US6238876-B1.

PN 29-MAY-2001.

XX 22-JUN-1998; 98US-0102491.

XX 20-JUN-1997; 97US-0050286.

PR (UUNY) UNIV NEW YORK STATE.

XX Altaba ARI;

XX WPI; 2001-366473/38.

XX Detecting the onset or presence of skin cancer, particularly sporadic

PT basal cell carcinoma, comprises measuring the level of Gli1 in the

PT sample -

XX Disclosure; Column 8; 2lpp; English.

XX This invention relates to a method of detecting the onset or presence of

CC sporadic basal cell carcinoma (BCC) in an animal. The method involves

CC measuring the level of Gli1 in a sample of skin. Gli1 levels above basal

CC or normal indicate the presence or onset of sporadic basal cell

CC carcinoma. Gli1 is a zinc finger transcription factor down stream of

CC secreted sonic hedgehog (shh) activation in a cascade of cytoplasmic

CC signal transduction. Gli1 in turn can induce Shh expression in an

CC auto regulatory manner. There are links between ectopic expression of the

CC Gli1 gene and the development or onset of BCC. The method is useful for

CC detecting the onset or presence of sporadic basal cell carcinoma,

CC particularly in detecting skin cancer. The present sequence represents a

CC PCR primer specific for human Shh cDNA. The primer is used in the

CC course of the invention.

XX SQ Sequence 19 BP; 3 A; 5 C; 5 G; 6 T; 0 other;

XX Query Match 1.2%; Score 19; DB 1; Length 19;

XX Best Local Similarity 100.0%; Pred. No. 99;

XX Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 167 AGATGTCGCTGCTAGTCC 185

Db 1 AGATGTCGCTGCTAGTCC 19

RESULT 54

AAQ55856

ID AAQ55856 standard; DNA; 25 BP.

XX AC

XX AAQ55856;

XX DT 25-MAR-2003 (updated)

XX DT 25-JUL-1994 (first entry)

XX DE

XX Fragile X probe.

XX FC; foetal cells; marker; probe; hybridise; denature; dye; label;

CC cells. The method is useful for culturing undifferentiated ES cells to
 CC form differentiated neuronal cells which are useful for treating a
 CC neurological disorder, especially Parkinson's disease in a patient. A
 CC gene product such as tyrosine hydroxylase, nerve growth factor (NGF),
 CC brain derived neurotrophic factor (BDNF), bFGF, glial derived growth
 CC factor (GDNF) NT-3, and NT-4/5 can be introduced into a brain of a
 CC subject. The method is useful for culturing dopaminergic, cholinergic and
 CC serotonergic neuronal cells. The differentiated neuronal cells are useful
 CC for treating neurological disorders such as Huntington's disease,
 CC Alzheimer's disease, multiple sclerosis, severe seizure disorders
 CC including epilepsy, familial dysautonomia as well as injury or trauma to
 CC the nervous system such as neurotoxic injury or disorders of mood and
 CC behavior such as addiction and schizophrenia, cerebrovascular disorders
 CC such as stroke and CNS disorders resulting from aging. Assays are useful
 CC for developing drugs capable of regulating the survival, proliferation or
 CC genesis of neuronal cells and to screen for antagonist or agonist of
 CC dopamine or serotonin. Cell cultures comprising 50%-85% neurons which
 CC comprise 20-40% dopaminergic neurons and 1-3% astrocytes are useful for
 CC studying the mechanism of neurotransmitter synthesis and release,
 CC particularly for serotonin and dopamine, neuronal cell survival, and the
 CC electrophysiological properties of differentiated neuronal cells.
 CC Sequences AA167692-721 represent gene-specific PCR primers for CNS and
 CC dopaminergic specific regulatory genes, used for examining the
 CC developmental progression of ES cells.

XX SQ Sequence 24 BP; 11 A; 6 C; 5 G; 2 T; 0 other;

Query Match 1.2%; Score 19.2; DB 1; Length 24;
 Best Local Similarity 87.5%; Pred.No. 1.1e+02;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 342 GGAAGATCTCCAGAACTCCGAGC 365

DB 1 GGAAGATCACAGAACTCCGAC 24

RESULT 50

AAV18410/C

ID AAV18410 standard; cDNA; 19 BP.

XX AC AAV18410;

XX DT 14-SEP-1998 (first entry)

XX DE Human mutated sonic hedgehog (SHH) gene exon 2 PCR primer.

XX KW Sonic hedgehog; SHH gene; HH gene; tumorigenesis; oncogenesis;

XX KW basal cell carcinoma; breast cancer; medulloblastoma; tumour;

XX KW cell proliferation; cell differentiation; diagnosis; therapy;

XX KW human; PCR; primer; ss.

XX OS Synthetic.

XX OS Homo sapiens.

XX PN WO9821227-A1.

XX PD 22-MAY-1998.

XX PF 12-NOV-1997; 97WO-US20227.

XX XX 13-NOV-1996; 96US-0748591.

XX PA (REGC) UNIV CALIFORNIA.

XX PI Bonifas J, Epstein E, Hu Z;

XX DR WPI; 1998-297857/26.

XX PT New nucleic acid encoding oncogenic human hedgehog protein - useful

XX PT for, e.g. treatment and diagnosis of cancer and diseases involving

XX PT cell proliferation or differentiation

XX XX Example; Page 23; 47pp; English.

XX This human sonic hedgehog (SHH) gene exon 2-specific primer was
 CC used with another exon 2-specific primer (see AAV18410) in a PCR
 CC amplification of genomic DNA from 34 independent basal cell
 CC carcinomas, 14 medulloblastomas and 6 breast carcinomas. PCR
 CC primers (see AAV18407-08 and AAV18411-12) specific for SHH exons 1 and
 CC 3 were also used. PCR products were subjected to single strand
 CC conformation polymorphism analysis. 2 Mutations (see AAV18403 and
 CC AAV18404) were identified in the SHH gene from 4 human cancers. The
 CC mutated SHH genes and the encoded polypeptides (see AAW48735 and
 CC AAW48736) can be used in methods for the treatment and diagnosis of
 CC cancer and other diseases involving cell proliferation or
 CC differentiation.

XX SQ Sequence 19 BP; 3 A; 5 C; 6 G; 5 T; 0 other;

Query Match 1.2%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred.No. 99;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 594 CCAGTCTCGGTGAAGCA 712

DB 19 CCAGTCTCGGTGAAGCA 1

RESULT 51

AAV18416/C

ID AAV18416 standard; cDNA; 19 BP.

XX AC AAV18416;

XX DT 14-SEP-1998 (first entry)

XX DE Human mutated sonic hedgehog (SHH) gene PCR primer.

XX KW Sonic hedgehog; SHH gene; HH gene; tumorigenesis; oncogenesis;

XX KW basal cell carcinoma; breast cancer; medulloblastoma; tumour;

XX KW cell proliferation; cell differentiation; diagnosis; therapy;

XX KW human; PCR; primer; ss.

XX OS Synthetic.

XX OS Homo sapiens.

XX PN WO9821227-A1.

XX PD 22-MAY-1998.

XX PF 12-NOV-1997; 97WO-US20227.

XX XX 13-NOV-1996; 96US-0748591.

XX PA (REGC) UNIV CALIFORNIA.

XX PI Bonifas J, Epstein E, Hu Z;

XX DR WPI; 1998-297857/26.

XX PT New nucleic acid encoding oncogenic human hedgehog protein - useful

XX PT for, e.g. treatment and diagnosis of cancer and diseases involving

XX PT cell proliferation or differentiation

XX XX Example; Page 25; 47pp; English.

XX CC cDNA derived from human epidermal keratinocytes was amplified by

XX CC 3-stage nesting using sonic hedgehog (SHH) gene stage 1 primers

XX CC (see AAV18413 and AAV18414), stage 2 primers (see AAV18415 and AAV18416)

XX CC and stage 3 primers (see AAV18417 and AAV18415). The PCR product

XX CC was identified as authentic SHH. A single somatic mutation

XX CC (see AAV18403) of the SHH gene was found in cancers arising from

XX CC 3 different tissues in independent patients. Another mutation (see

XX CC AAV18404) was identified in another cancer. The mutated SHH genes

XX CC and the encoded polypeptides (see AAW48735 and AAW48736) can be used in

XX CC methods for the treatment and diagnosis of cancer and other

XX Example 1; Page 45; 107pp; English.

PS The present sequence is a PCR primer for the sonic hedgehog gene (SHH).

CC It was used in reverse transcription PCR to determine expression patterns

CC of the SHH gene in cultured cells. These cells had been grown in low

CC oxygen conditions, and had differentiated to form various types of

CC neuronal cell. The different expression patterns can be used to determine

CC which set of conditions promotes the differentiation of each type of

CC neurone. The different cell types can be used for tissue transplantation,

CC to treat disorders such as stroke, brain and spinal cord injury,

CC Alzheimer's disease, Huntington's disease, other neurodegenerative

CC disorders, epilepsy, Parkinson's disease, neurological disorders and

CC psychiatric disorders.

XX

SQ Sequence 24 BP; 11 A; 6 C; 5 G; 2 T; 0 other;

Query Match 1.2%; Score 19.2; DB 1; Length 24;

Best Local Similarity 87.5%; Pred. No. 1.1e+02;

Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 342 GGAAGATCTCCAGAACTCCGAGC 365

Db 1 GGAAGATCACAGAACTCCGAC 24

RESULT 48

AAS13720/C

ID AAS13720 standard; DNA; 24 BP.

XX

AC AAS13720;

DT 08-MAY-2002 (first entry)

XX

DE Simple sequence repeat, SSR, #17.

XX

KW Simple sequence repeat; plant; ds; SSR; ryegrass; fescue; tandem repeat;

KW cereal profiling; grass profiling; seed batch purity testing.

XX

OS Poae.

OS

PN N2509193-A.

XX

PD 25-MAY-2001.

XX

PF 03-JAN-2001; 2001NZ-0509193.

XX

PR 24-DEC-1999; 99AU-0004906.

PR

PR 04-MAY-2000; 2000AU-0007310.

XX

PA (SAUS-) STATE SOUTH AUSTRALIA SOUTH AUSTRALIAN R.

PA (UYSC-) UNIV SOUTHERN CROSS.

PA (VICT-) STATE VICTORIA DEPT NATURAL RES & ENVIRO.

PA (UYAD-) UNIV ADELAIDE.

PA (ITMA-) INT MAIZE & WHEAT IMPROVEMENT CENT.

XX

PI Forster JW, Jones ES;

XX

DR WPI; 2001-512563/56.

XX

PT New simple sequence repeats having 2 or more tandemly repeated

PT nucleotide core elements isolated from ryegrass and fescue, useful for

PT selecting of genes in grass or cereal breeding or profiling grass or

PT cereal species varieties -

XX

PS Claim 6; Page 51; 72pp; English.

XX

CC The invention relates to a substantially purified or isolated nucleic

CC acid (1) from ryegrass or fescue species including a simple sequence

CC repeat (SSR), having 2 or more tandemly repeated nucleotide core elements

CC 2-6 nucleotides in length. Also included are a nucleic acid primer

CC suitable for amplifying an SSR, identifying (M1) an SSR by preparing a

CC library of ryegrass or fescue genomic DNA enriched for SSRs and

CC identifying clones in the library containing SSRs, a library of ryegrass

CC or fescue genomic DNA enriched for SSRs prepared by the M1, selecting for

CC a gene in grass or cereal breeding by identifying an SSR that is closely

CC associated with the gene such that the SSR and the gene are

CC preferentially co-inherited, and selecting for the SSR in the

CC breeding, a method for DNA profiling grass or cereal species varieties by

CC assessing variation between SSR varieties and testing the purity of grass

CC or cereal seed batches by assessing variation within seed batch of an

CC SSR. The SSRs may be used in the selection of genes in grass or cereal

CC breeding, for profiling grass or cereal species varieties, for testing

CC the purity of grass or cereal seed batches, and for DNA profiling to

CC establish the distinct identity, uniformity and/or stability of a

CC cultivar. The present sequence is a ryegrass or fescue SSR.

XX

SQ Sequence 24 BP; 0 A; 12 C; 6 G; 6 T; 0 other;

Query Match 1.2%; Score 19.2; DB 1; Length 24;

Best Local Similarity 87.5%; Pred. No. 1.1e+02;

Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 13 GCGAGCGAGAGCGAGCGGCGGA 36

Db 24 GCGAGCGAGCGAGCGGCGGA 1

RESULT 49

AAI67720

ID AAI67720 standard; DNA; 24 BP.

XX

AC AAI67720;

DT 27-FEB-2002 (first entry)

XX

DE Receptor Shh cDNA amplifying forward primer.

XX

KW Cell culturing; embryonic stem; ES; central nervous system; Shh;

KW dopaminergic; cholinergic; serotonergic; antiparkinsonian; neurotropic;

KW neuroprotective; anticonvulsant; tranquilizer; vulnerary; neuroleptic;

KW cerebroprotective; cell therapy; gene therapy; CNS; PCR primer; ss.

XX

OS Homo sapiens.

XX

PN WO200183715-A2.

XX

PD 08-NOV-2001.

XX

PF 01-MAY-2001; 2001WO-US14051.

XX

PR 01-MAY-2000; 2000US-201005P.

XX

PA (USGO) US GOVERNMENT.

PA (LEES) LEE S.

PA (LUME) LUMELSKY N.

PA (STUD) STUDER L.

PA (MCKA) MCKAY R D G.

XX

PI Lee S, Lumelsky N, Studer L, McKay RDG;

XX

DR WPI; 2002-049345/06.

XX

PT Culturing cells such as neuronal cells for use in treating neurological

PT disorders, comprises generating embryoid bodies from undifferentiated

PT embryonic stem cells, selecting precursor cells, expanding and

PT differentiating them -

XX

PS Example 10; Page 41; 66pp; English.

XX

CC The invention provides a method of culturing cells. The method involves

CC expanding a culture of undifferentiated embryonic stem (ES) cells

CC generating embryoid bodies (EB), culturing the bodies to select for

CC central nervous system (CNS) precursor cells (PC), culturing PC in an

CC expansion medium comprising a neurologic factor, and differentiating and

CC culturing the expanded PC to form a culture of differentiated neuronal

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XX 12-JAN-2001; 2001WO-AU00030.
XX PF
XX 14-JAN-2000; 2000AU-0005098.
XX PR
XX 20-APR-2000; 2000AU-0007045.
XX PR
XX 27-APR-2000; 2000AU-0007143.
XX PR
XX (BRES-) BRESAGEN LTD.
XX PA
XX Rathjen PD, Rathjen J;
XX PI
XX WPI; 2001-432908/46.
XX DR
XX Producing neuroectoderm cells for treatment of Parkinson's and
XX PT Alzheimer's and for transplantation comprises culturing early primitive
XX PT ectoderm-like cells in conditioned medium -
XX PS
XX Example 3; Page 41; 91pp; English.
XX CC
XX This sequence represents a PCR primer for the Shh gene, used
XX CC within the scope of the invention. The invention relates to a method for
XX CC producing neuroectoderm cells (I) comprises: (a) providing a source of
XX CC early primitive ectoderm-like (EPL) cells and a neural-inducing
XX CC conditioned medium (CM) or extract of it; and (b) contacting the EPL
XX CC cells with the CM or extract for a time sufficient to generate controlled
XX CC differentiation to (i). The cells or partially differentiated progeny are
XX CC useful in human, or animal cell therapy, transgenic animal production,
XX CC human or animal gene therapy, the screening of pharmaceutical that induce
XX CC a biological response in neuroectoderm cells or their partially
XX CC differentiated progeny and evaluation of biological molecules that
XX CC direct differentiation of neural cells. The method is useful for
XX CC producing neuroectoderm cells. It is also useful for producing
XX CC differentiated or partially differentiated cells from neural ectoderm
XX CC cells. The method can be also useful for maintaining neuroectoderm cells
XX CC in vitro in homogeneous cell populations. It can also be used for
XX CC producing genetically modified neuroectoderm cells. The cells can be used
XX CC in the treatment of neuronal diseases, including Parkinson's disease,
XX CC Huntington's disease, lysosomal storage diseases, multiple sclerosis,
XX CC memory and behavioural disorders, and Alzheimer's disease. The method can
XX CC also be used for preparation of tissue or organs for transplant. Neural
XX CC crest cells produced by the method are useful for the treatment of spinal
XX CC cord disorders and Schwann cells produced by the method are used for the
XX CC treatment of multiple sclerosis.
XX CC
XX Sequence 20 BP; 7 A; 8 C; 2 G; 3 T; 0 other;
XX
Query Match 1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 373 GGAACTCACCCTTATCA 392
DB 1 GGAACTCACCCTTATCA 20

RESULT 46
AAA27226
ID AAA27226 standard; DNA; 24 BP.
XX AC
XX AAA27226;
XX DT
XX 20-SEP-2000 (first entry)
XX DE
XX Forward PCR primer for SHH.
XX
XX Parkinson's disease; neurodegenerative disorder; PCR primer;
XX KW SHH; sonic hedgehog; ss.
XX OS
XX Rattus sp.
XX WO200029550-A2.
XX PN
XX 25-MAY-2000.
XX PT
XX conditions -

XX 18-NOV-1999; 99WO-US27613.
XX PF
XX 18-NOV-1998; 98US-0195569.
XX PR
XX 22-OCT-1999; 99US-0425462.
XX PR
XX (CALY ) CALIFORNIA INST OF TECHNOLOGY.
XX PA
XX Ceste M, Doyle J, Wold BJ, McKay R, Studer L;
XX PI
XX WPI; 2000-387772/33.
XX DR
XX Low oxygen culturing of central nervous system progenitor cells useful
XX PT in treatment of neurodegenerative disorders -
XX PS
XX Example 1; Page 36; 80pp; English.
XX CC
XX A method for increasing the differentiation of undifferentiated central
XX CC nervous system (CNS) cells in culture. This novel method involves
XX CC culturing the cells in low ambient oxygen conditions. Differentiated CNS
XX CC cells can be used to treat neurodegenerative diseases such as Parkinson's
XX CC disease. In order to determine the differentiated phenotype messenger
XX CC RNA levels can be measured using reverse transcription PCR. This
XX CC involves using PCR primers specific to certain genes. The present
XX CC sequence is the forward PCR primer used to monitor the message level of
XX CC SHH.
XX CC
XX Sequence 24 BP; 11 A; 6 C; 5 G; 2 T; 0 other;
XX
Query Match 1.2%; Score 19.2; DB 1; Length 24;
Best Local Similarity 87.5%; Pred. No. 1.1e+02;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 342 GGAAGATCTCCAGAACTCCGAGC 365
DB 1 GGAAGATCTCCAGAACTCCGAGC 24

RESULT 47
AAA30347
ID AAA30347 standard; DNA; 24 BP.
XX AC
XX AAA30347;
XX DT
XX 14-SEP-2000 (first entry)
XX DE
XX Sonic hedgehog mRNA PCR primer #1.
XX KW Rat; cell differentiation; neurodegenerative disorder; stroke;
XX KW brain injury; spinal cord injury; Alzheimer's disease; epilepsy;
XX KW Huntington's disease; Parkinson's disease; neurological disorder;
XX KW cell transplantation; SHH; sonic hedgehog; PCR primer; ss.
XX OS
XX Rattus sp.
XX WO200029549-A2.
XX PN
XX 25-MAY-2000.
XX PD
XX 18-NOV-1999; 99WO-US27532.
XX PF
XX 18-NOV-1998; 98US-0195569.
XX PR
XX 22-OCT-1999; 99US-0425462.
XX PR
XX (CALY ) CALIFORNIA INST OF TECHNOLOGY.
XX PA
XX Ceste M, Doyle J, Wold BJ, Morrison SJ, Anderson D;
XX PI
XX WPI; 2000-387771/33.
XX DR
XX Culturing of neural crest stem cells useful for treatment of
XX PT neurodegenerative disorders comprises culturing in low ambient oxygen
XX PT conditions -

```

XX PR 26-JUN-2001; 2001JP-0193503.
XX PA (TAKE) TAKEDA CHEM IND LTD.
XX PI Hikichi Y, Inazuka M;
XX DR WPI; 2003-201422/19.
XX PT Culture method for cartilage differentiation from cells under hypoxic
PT conditions into cartilage cells applicable in cartilage
PT transplantation, and studying genes or proteins relating to joint
PT diseases -
XX PS Example 3; Page 29; 37pp; Japanese.
XX CC The present invention describes a method for cartilage differentiation
CC by culturing cells capable of differentiating into cartilage under
CC hypoxic conditions. Also described: (1) a method for producing cartilage
CC cells or cartilage by culturing the required cells under hypoxic
CC conditions; (2) drugs containing the produced cartilage cells or
CC cartilage; (3) a method for preventing or treating joint diseases by
CC transplanting an effective amount of the cartilage cells or cartilage;
CC (4) the use of the cartilage cells or cartilage for producing preventives
CC or remedies for joint diseases; (5) a method for screening genes relating
CC to cartilage differentiation or joint diseases by using any of the
CC culture methods; (6) a method for screening promoters or inhibitors of
CC cartilage differentiation by using any of the culture methods; (7) a
CC method for screening preventives or remedies for joint diseases by using
CC the culture methods; (8) drugs containing the screened promoters or
CC inhibitors of cartilage differentiation, or preventives or remedies for
CC joint diseases; (9) a method for preventing or treating joint diseases by
CC administering an effective dose of the promoters or inhibitors, or
CC preventives or remedies to mammals; and (10) the use of the promoters or
CC inhibitors, or preventives or remedies for producing drugs for joint
CC diseases. The produced cultured cartilage cells or cartilage can be used
CC in cartilage transplantation, studying genes or proteins relating to
CC joint diseases and screening drugs for their treatment, including
CC diseases of bone fracture, myeloma, osteoporosis and rheumatoid
CC arthritis. The present sequence represents a PCR primer for Indian
CC hedgehog, which is used in an example from the present invention.
XX SQ Sequence 24 BP; 3 A; 4 C; 10 G; 7 T; 0 other;
Query Match 1.4%; Score 21.4; DB 1; Length 24;
Best Local Similarity 95.7%; Pred. No. 56;
Matches 22; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 650 GAGCGCGCTTCGACTGGGTGA 672
DB 1 GAGCGCGCTTCGACTGGGTGA 23
RESULT 44
ABS55999/c
ID ABS55999 standard; DNA; 26 BP.
XX AC ABS55999;
XX DT 23-JAN-2003 (first entry)
XX DE Mouse RT-PCR primer Shh rp #2.
XX KW Mouse; primer: ss; Hedgehog signalling pathway; T-cell mediated disease;
KW T-cell apoptosis; Notch signalling pathway; cancer; breast; prostate;
KW ovary; T-cell activation; T-cell proliferation; lymphoma; carcinoma;
KW autoimmune disease; inflammatory disease; proliferative disorder;
KW viral infection; genetic immunodeficiency; neurodegenerative disease;
KW myelodysplastic syndrome; ischaemic injury; toxin-induced disease;
KW wasting disease; RT-PCR; reverse transcriptase; Shh; sonic hedgehog.
XX OS Mus musculus.
XX PD 19-JUL-2001.

PN WO20020952-A2.
XX PD 17-OCT-2002.
XX PF 09-APR-2002; 2002WO-GB01666.
XX PR 09-APR-2001; 2001GB-0008872.
XX PR 09-APR-2001; 2001GB-0008873.
XX PA (LORA-) LORANTIS LTD.
XX PI Lamb JR, Hoynes GF, Dallman MJ, Champion BR;
XX DR WPI; 2003-058470/05.
XX PT Use of a modulator of Hedgehog signalling pathways for treating T-cell
PT mediated disease or infection and diseases associated with increased or
PT decreased T-cell apoptosis and T-cell proliferation -
XX PS Example 11; Page 110; 154pp; English.
XX CC The invention relates to use of a modulator of a Hedgehog signalling
CC pathway or a modulator of a target of the pathway in the preparation of a
CC medicament for treating T-cell mediated disease or infection or a disease
CC or disorder associated with increased or decreased T-cell apoptosis and
CC for modification of (peripheral) T-cell activation or proliferation or
CC T-cell apoptosis, and for modulation of the Notch signalling pathway in
CC immune cells. The modulator is useful for treating cancer of the breast,
CC prostate or ovary, lymphomas and carcinomas, autoimmune diseases such as
CC systemic lupus erythematosus, multiple sclerosis and diabetes,
CC inflammatory diseases such as osteoarthritis and Crohn's disease,
CC proliferative disorders such as atherosclerosis and psoriasis, viral
CC infections such as AIDS and herpesviruses, genetic immunodeficiencies,
CC neurodegenerative diseases such as Alzheimer's disease and Parkinson's
CC disease, myelodysplastic syndromes such as aplastic anaemia, ischaemic
CC injuries such as myocardial infarction, toxin-induced diseases such as
CC cirrhosis and wasting diseases such as cachexia. This sequence represents
CC a reverse transcriptase PCR (RT-PCR) primer used in the scope of the
CC invention.
XX SQ Sequence 26 BP; 3 A; 7 C; 13 G; 13 T; 0 other;
Query Match 1.3%; Score 20.2; DB 1; Length 26;
Best Local Similarity 88.0%; Pred. No. 87;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 332 AGGTATGAGGGGAGATCTCCAGAA 356
DB 25 AGATATGAGGGGAGATCTCCAGAA 1
RESULT 45
AAF87045
ID AAF87045 standard; DNA; 20 BP.
XX AC AAF87045;
XX DT 18-SEP-2001 (first entry)
XX DE PCR primer for Shh gene.
XX KW PCR primer; neuroectoderm cell; cell production; Parkinson's disease;
KW early primitive ectoderm-like cell; EPL cell; cell therapy;
KW transgenic animal; gene therapy; neuronal disease; Huntington's disease;
KW lysosomal storage disease; multiple sclerosis; memory disorder;
KW behavioural disorder; Alzheimer's disease; organ transplant;
XX KW spinal cord disorder; Shh; ss.
XX OS Unidentified.
XX PD WO200151611-A1.
XX PD 19-JUL-2001.

DE Human oligonucleotide #2 for construction of pUB55 plasmid.
 XX Human; hedgehog protein; nootropic; neuroprotective; anticonvulsant;
 KW cytoskeletal; therapy; Alzheimer's disease; Parkinson's disease; injury;
 KW Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis;
 KW nervous system aging; neurodegenerative disease; immunological disease;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour; cancer;
 KW extracellular signalling protein; ss.
 XX Homo sapiens.
 OS
 XX WO200134654-A1.
 PN 17-MAY-2001.
 PD
 XX
 XX 02-NOV-2000; 200WO-US30405.
 PF
 XX 05-NOV-1999; 99US-0164025.
 PR
 XX (BIOJ) BIOGEN INC.
 PA
 XX Strauch K;
 PI
 XX WPI; 2001-329075/34.
 DR
 XX Novel isolated hedgehog fusion polypeptide useful for treating
 PT neurological conditions such as Alzheimer's disease, Parkinson's
 PT disease, Huntington's chorea, amyotrophic lateral sclerosis, and
 PT multiple sclerosis -
 XX
 PS Example 1; Page 54; 178pp; English.
 XX
 CC The present invention relates to hedgehog fusion proteins. Hedgehog
 CC proteins are a family of extracellular signalling proteins that regulate
 CC various aspects of embryonic development both in vertebrates and in
 CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
 CC treatment of any condition or disease state for which a hedgehog or
 CC patched protein constituent is efficacious and in the diagnosis of
 CC constituents or conditions of disease states in biological system or
 CC specimens and for diagnostic purposes in non-physiological systems.
 CC Hedgehog fusion protein is useful for treating neurological conditions
 CC due to injury, aging of nervous system, including Alzheimer's disease,
 CC chronic neurodegenerative diseases of the nervous system, including
 CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
 CC and chronic immunological diseases of nervous system including multiple
 CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
 CC tumours and to specifically target medical therapies against cancers and
 CC tumours which express the receptor for the protein. The present sequence
 CC is an oligonucleotide used in the construction of pUB55 expression
 CC plasmid for expressing human sonic hedgehog protein in Pichia pastoris.
 XX
 SQ Sequence 29 BP; 3 A; 14 C; 5 G; 7 T; 0 other;
 Query Match 1.4%; Score 22; DB 1; Length 29;
 Best Local Similarity 100.0%; Pred. No. 54;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 221 TCGGACCGGGCAGGGGTTTCG 242
 DB 22 TCGGACCGGGCAGGGGTTTCG 1
 RESULT 40
 AAK99702/C
 ID AAK99702 standard; DNA; 29 BP.
 XX
 AC AAK99702;
 XX
 DT 08-JUL-2002 (first entry)
 XX
 DE Human sonic hedgehog oligonucleotide #2 SEQ ID No 37.
 XX
 KW Cytostatic; ophthalmological; antirheumatic; antiarthritic; osteopathic;
 KW gastrointestinal general; antiinflammatory; antiulcer; antipsoriatic;
 KW vulnerary; vasotropic; antidiabetic; cerebroprotective; immunomodulator;
 KW muscular active general; hypotensive; antilipemic; hedgehog protein;
 KW contraceptive; antiinfertility; placentation; angiogenesis; retinopathy;
 KW malignant tumour; macular degeneration; non-malignant tumour; keloid;
 KW rheumatoid arthritis; osteoarthritis; neovascular glaucoma; psoriasis;
 KW Crohn's disease; ulcerative colitis; tissue repair; diabetic retinopathy;
 KW ischaemia; inflammation; peripheral; central nervous system; cachexia;
 KW vascular disease; high blood pressure; cholesterol; ovulation; cancer;
 KW menstruation; gynaecological; endometrial lining formation;
 KW sonic hedgehog; ds.
 XX
 OS Homo sapiens.
 XX
 XX WO200198344-A2.
 PN 27-DEC-2001.
 PD
 XX 18-JUN-2001; 2001WO-US19435.
 PF
 XX 16-JUN-2000; 2000US-211919P.
 PR
 XX (BIOJ) BIOGEN INC.
 PA
 XX Ling LE, Sanicola-nadel M;
 PI WPI; 2002-291693/33.
 DR
 XX Use of hedgehog polypeptide, its agonists or antagonists for modulating
 PT angiogenesis in the treatment of e.g. malignant tumors, retinopathy,
 PT macular degeneration, non-malignant tumors, rheumatoid arthritis and
 PT osteoarthritis -
 XX
 PS Example 8; Page 130-131; 269pp; English.
 XX
 CC The invention relates to new methods for modulating (promoting or
 CC inhibiting) angiogenesis in a subject animal using hedgehog polypeptides
 CC or its modulators. The hedgehog polypeptide or its modulators are useful
 CC for modulating angiogenesis in a subject. The antagonists are useful in
 CC the treatment of angiogenesis related disorders such as malignant
 CC tumours, retinopathy, macular degeneration, non-malignant tumours,
 CC rheumatoid arthritis, osteoarthritis, neovascular glaucoma, keloids,
 CC Crohn's disease, ulcerative colitis and psoriasis. The antagonists of the
 CC invention are also useful for the treatment of tissue repair, ischaemia,
 CC diabetic retinopathy, inflammation, peripheral or central nervous system
 CC vascular disease, cachexia and high blood pressure and cholesterol
 CC levels; for the modulation of ovulation, menstruation, placentation and
 CC endometrial lining formation and maintenance; and for the diagnosis of
 CC e.g. cancer. This polynucleotide sequence represents the DNA of a sonic
 CC hedgehog oligonucleotide of the invention.
 XX
 SQ Sequence 29 BP; 3 A; 14 C; 5 G; 7 T; 0 other;
 Query Match 1.4%; Score 22; DB 1; Length 29;
 Best Local Similarity 100.0%; Pred. No. 54;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 221 TCGGACCGGGCAGGGGTTTCG 242
 DB 22 TCGGACCGGGCAGGGGTTTCG 1
 RESULT 41
 ABK99277/C
 ID ABK99277 standard; RNA; 30 BP.
 XX
 AC ABK99277;
 XX
 DT 21-OCT-2002 (first entry)
 XX
 DE Hepatitis C virus (HCV) NS5B replicase RNA synthesis template #7.
 XX
 KW Hepatitis C virus; HCV; NS5B replicase; ss; RNA polymerase.

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CC invention.
XX
SQ Sequence 22 BP; 6 A; 8 C; 3 G; 5 T; 0 other;

  Query Match      1.4%; Score 22; DB 1; Length 22;
  Best Local Similarity 100.0%; Pred. No. 43;
  Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 267 TGACCCCTTTAGCTACAGCA 288
Db 1 TGACCCCTTTAGCTACAGCA 22

RESULT 37
ABT03767
ID ABT03767 standard; DNA; 24 BP.
XX
AC ABT03767;
XX
DT 13-SEP-2002 (first entry)
XX
DE Human SHH gene PCR primer SEQ ID NO: 288.
XX
KW Human; cancer; neoplastic disease; tumour specific marker; cytostatic;
KW transcription factor; PCR; primer; ss.
XX
OS Homo sapiens.
XX
PN WO200240716-A2.
XX
PD 23-MAY-2002.
XX
PF 13-NOV-2001; 2001WO-US43461.
XX
PR 16-NOV-2000; 2000US-249508P.
XX
PA (CEMI-) CEMINES LLC.
XX
PI Palm K;
XX
DR WPI; 2002-537346/57.
XX
PT Determining the presence of neoplastic molecular markers, by
PT identifying the presence of markers in host test sample using array of
PT neoplastic molecular marker specific reagents and analyzing the array
PT of the reagents -
XX
PS Example 1; Page 19; 41pp; English.
XX
CC The present invention relates to a method for determining the presence of
CC neoplastic molecular markers in a host, involving the use of neoplastic
CC molecular marker specific reagents to detect such markers and analyzing
CC the array of reagents, allowing the identification of the neoplastic
CC disease present. This can be used to determine the best treatment for
CC cancers, in particular neural cell, lung and prostate tumours. The
CC present sequence is a PCR primer useful for detecting the coding
CC sequences of markers of the invention.
XX
SQ Sequence 24 BP; 4 A; 4 C; 10 G; 6 T; 0 other;

  Query Match      1.4%; Score 22; DB 1; Length 24;
  Best Local Similarity 100.0%; Pred. No. 47;
  Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGCGAGATGT 172
Db 3 GATGCTGCTGCTGCGAGATGT 24

RESULT 38
AAA28861/c
ID AAA28861 standard; DNA; 29 BP.
XX

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AC AAA28861;
XX
DT 29-AUG-2000 (first entry)
XX
DE Oligo linker for cloning sonic hedgehog fusion protein.
XX
KW Shh; hedgehog; sonic; indian; desert; antagonist; receptor; cytostatic;
KW cerebroprotective; neuroactive; hair growth inhibitor; ss.
XX
OS Synthetic.
XX
PN WO200025725-A2.
XX
PD 11-MAY-2000.
XX
PF 02-NOV-1999; 99WO-US25700.
XX
PR 02-NOV-1998; 98US-0106703.
XX
PA (BIOJ ) BIOGEN INC.
XX
PI Williams K, Rayhorn P, Garber EA, Pepinsky BR;
XX
DR WPI; 2000-365345/31.
XX
PT Polypeptide antagonists of Sonic, Indian and Desert Hedgehog proteins
PT useful for treating cancers, hair loss, nervous system disorders and as
PT diagnostic reagents
XX
PS Example 3; Page 13; 71pp; English.
XX
CC AAA28860-61 form a XhoI-EarI fragment and create the appropriate coding
CC sequence for placing Sonic hedgehog (Shh) adjacent to the alpha factor
CC leader sequence in-frame. The construct was used to produce Shh(N-10)
CC antagonist. The invention concerns Sonic, Desert and Indian HH
CC antagonists, which can bind a HH receptor but do not induce a
CC HH-dependent signaling response and methods of producing an antagonist.
CC The antagonists are produced by altering an N-terminal Cys-1 residue of
CC a mature HH polypeptide. When bound to the receptor (patched-1), the
CC isolated antagonist blocks alkaline phosphatase (AP) induction by mature
CC HH protein when tested in an AP assay. The antagonist may also be unable
CC to induce ptc-1 and Gli-1 expression. The antagonists may be used for
CC treating conditions characterized by over expression or activity of HH
CC polypeptides, such as some basal cell carcinomas, and other human
CC tumours (e.g. breast tumours, neuronal tumours and medulloblastomas)
CC which have been found to have an oncogenic mutation in the Shh gene. They
CC may also be administered to treat neoplastic or hyperlastic
CC transformations of cells of the central nervous system. Other uses
CC include control of adult neurons with regard to maintenance, functional
CC performance and aging of normal cells, repair and regeneration in
CC lesioned cells, degeneration and premature death. Additionally, they can
CC be used to inhibit hair growth (e.g. to treat trichosis and hirsutism) or
CC to prevent hair loss in patients having chemo- or radiation-therapy.
XX
SQ Sequence 29 BP; 3 A; 14 C; 5 G; 7 T; 0 other;

  Query Match      1.4%; Score 22; DB 1; Length 29;
  Best Local Similarity 100.0%; Pred. No. 54;
  Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 TCGGACCGGCGAGGGGTTTCG 242
Db 22 TCGGACCGGCGAGGGGTTTCG 1

RESULT 39
AAD09042/c
ID AAD09042 standard; DNA; 29 BP.
XX
AC AAD09042;
XX
DT 04-SEP-2001 (first entry)
XX

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ID XX ABK10414 standard; DNA; 32 BP.
AC XX ABK10414;
XX XX
DT XX 21-MAY-2002 (first entry)
DE XX Synthetic primer sequence 5'-C30GG-3'.
XX XX ss: 5'-C30GG-3'; double stranded DNA generation; promiscuous base;
XX XX target molecule; primer.
XX XX Synthetic.
OS XX USG326143-B1.
FN XX
XX XX
PD XX 04-DEC-2001.
XX XX
PF XX 22-MAY-1998; 98US-0083123.
XX XX
PR XX 22-NOV-1996; 96WO-EP05149.
XX XX (HOFF) ROCHE DIAGNOSTICS GMBH.
PA XX
XX XX
PI XX Orum H, Seeger C;
XX XX
DR XX WPI; 2002-214947/27.
XX XX
XX XX Determining an analyte in a sample, for generating multiple double
PT XX stranded nucleic acids, comprises employing a single primer sequence
PT XX with a nucleobase sequence having affinity to the sequence contained in
PT XX a target nucleic acid.
XX XX
PS XX Example 1; Column 14; 25pp; English.

The invention relates to determining an analyte in a sample comprising
(a) providing a target nucleic acid comprising a region A, a nucleobase
sequence B, and a sequence I linked to the 5' terminus of the
nucleobase sequence B, where the nucleobase sequence B is not specific
for the analyte, and the region A specifically binds to the analyte,
(b) binding the target nucleic acid to the analyte, separating the
analyte bound to the target nucleic acid from the remaining part of the
sample, (d) hybridising a primer to the target nucleic acid, where the
primer comprises a nucleobase sequence B', and the nucleobase sequence
B' hybridises to the nucleobase sequence B, (e) elongating the hybridised
primer to produce an elongation product E using the target nucleic acid
as a template and using nucleotides, where at least 30% of the
nucleotides contain at least one promiscuous base which is capable of
base pairing with each of adenine, guanine, cytosine, and thymine,
(f) separating the target nucleic acid from the elongation product E,
(g) hybridising a further primer which comprises the nucleobase
sequence B' to the elongation product E, where the elongation product E
is capable of acting as a template for the elongation of the further
primer, (h) elongating the hybridised further primer of step (g) to
produce an elongation product E' using the elongation product E as a
template and using nucleotides, where at least 30% of the nucleotides
contain at least one promiscuous base, (i) separating the elongation
product E from the elongation product E', (j) hybridising a further
primer comprising a nucleobase sequence B' to the target nucleic acid or
the elongation product E, (k) elongating the further primer of step (j)
to produce another elongation product E using the target nucleic acid or
elongation product E as a template and using nucleotides, where at least
30% of the nucleotides contain at least one promiscuous base, (l)
separating product E of step (k) from the target nucleic acid or
elongation product E, (m) optionally repeating steps (g) - (l) a
sufficient number of times to generate a desired amount of double
stranded nucleic acids and (n) determining the elongation product E
and/or elongation product E' as a measure of the presence or amount of
the analyte, where the lengths of the sequence I and the nucleobase
sequence B are chosen such that, when the further primer hybridises to
the elongation product E in step (g), the further primer spans a sequence
formed by elongation of the hybridised primer of step (e) and overlaps at
least a part of the 3' region of the hybridized primer of step (e) by an
overlap length. The method is useful determining an analyte in a sample.

CC In particular, the method is useful for generating multiple double
CC stranded nucleic acids. The present sequence is a primer molecule
XX used to exemplify the method of the invention.
SQ Sequence 32 BP; 0 A; 30 C; 2 G; 0 U; 0 other;
Query Match 1.4%; Score 22.4; DB 1; Length 32;
Best Local Similarity 81.2%; Pred. No. 51;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
OY 1543 CCGGGGGCCGGGGAGGGGGCCGGGGAGGGGG 1574
Db 32 CCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 1
RESULT 36
ABS55998
ID ABS55998 standard; DNA; 22 BP.
XX AC ABS55998;
XX XX
DT 23-JAN-2003 (first entry)
XX XX
DE Mouse RT-PCR primer Shh fp #2.
XX XX
XX Mouse; primer; ss; Hedgehog signalling pathway; T-cell mediated disease;
KW T-cell apoptosis; Notch signalling pathway; cancer; breast; prostate;
KW ovary; T-cell activation; T-cell proliferation; lymphoma; carcinoma;
KW autoimmune disease; inflammatory disease; proliferative disorder;
KW viral infection; genetic immunodeficiency; neurodegenerative disease;
KW myelodysplastic syndrome; ischaemic injury; toxin-induced disease;
KW wasting disease; RT-PCR; reverse transcriptase; Shh; sonic hedgehog.
OS Mus musculus.
XX XX
XX WO200280952-A2.
PN 17-OCT-2002.
XX XX
PF 09-APR-2002; 2002WO-GB01666.
XX XX
PR 09-APR-2001; 2001GB-0008872.
PR 09-APR-2001; 2001GB-0008873.
XX (LORA-) LORANTIS LTD.
PA Lamb JR, Hoyne GF, Dallman MJ, Champion BR;
XX WPI; 2003-058470/05.
XX XX
PT Use of a modulator of Hedgehog signalling pathways for treating T-cell
PT mediated disease or infection and diseases associated with increased or
PT decreased T-cell apoptosis and T-cell proliferation -
XX XX
PS Example 11; Page 110; 154pp; English.
XX XX
XX The invention relates to use of a modulator of a Hedgehog signalling
CC pathway or a modulator of a target of the pathway in the preparation of a
CC medicament for treating T-cell mediated disease or infection or a disease
CC or disorder associated with increased or decreased T-cell apoptosis and
CC for modification of (peripheral) T-cell activation or proliferation or
CC T-cell apoptosis, and for modulation of the Notch signalling pathway in
CC immune cells. The modulator is useful for treating cancer of the breast,
CC prostate or ovary, lymphomas and carcinomas, autoimmune diseases such as
CC systemic lupus erythematosus, multiple sclerosis and diabetes,
CC inflammatory diseases such as osteoarthritis and Crohn's disease,
CC proliferative disorders such as atherosclerosis and psoriasis, viral
CC infections such as AIDS and herpesviruses, genetic immunodeficiencies,
CC neurodegenerative diseases such as Alzheimer's disease and Parkinson's
CC disease, myelodysplastic syndromes such as aplastic anaemia, ischaemic
CC injuries such as myocardial infarction, toxin-induced diseases such as
CC cirrhosis and wasting diseases such as cachexia. This sequence represents
CC a reverse transcriptase PCR (RT-PCR) primer used in the scope of the

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Db      1 TTTATTCCCAACGTAGCCGAGAAGACC 28

RESULT 34
ABX80007
ID ABX80007 standard; cDNA; 30 BP.
XX AC ABX80007;
XX AC
XX DT 17-APR-2003 (first entry)
XX DE
XX DE EST polymorphic DNA repeat polynucleotide #332.
XX DE
XX DE EST: expressed sequence tag; ss; polymorphic repeat; tandem repeat;
XX KW polymorphic marker prediction of ubiquitous simple sequences; POMPOUS;
XX KW Rep-X; human; genetic disease; drug-treatment; Machado-Joseph;
XX KW Haw River syndrome; Huntington's disease; fragile-X syndrome;
XX KW Friedrich's ataxia; myotonic dystrophy; hyperandrogenaemia;
XX KW spinal atrophy; bulbar atrophy; spinocerebellar ataxia.
XX KW
XX OS Homo sapiens.
XX XX
XX XX US6472154-B1.
XX PN
XX PN 29-OCT-2002.
XX PD
XX PD
XX PF 31-DEC-1999; 99US-0475947.
XX XX
XX XX 31-DEC-1999; 99US-0475947.
XX PR
XX XX (TEXA ) UNIV TEXAS SYSTEM.
XX PA
XX XX
XX XX Garner HR, Wren JD, Minna JD, Fondon JW;
XX PI
XX PI WPI; 2003-208818/20.
XX DR
XX DR
XX PT Identifying a candidate polymorphic repeat within a coding sequence,
XX PT for understanding or treating genetic disease, comprises detecting
XX PT tandem repeats in a target coding sequence and scoring the repeats for
XX PT polymorphic probability -
XX PT
XX PS Examples; Column 1163; 588pp; English.
XX XX
XX CC The invention discloses a method for identifying a candidate polymorphic
XX CC repeat within a coding sequence (expressed sequence tag, EST), which
XX CC comprises detecting tandem repeats in a target coding sequence, scoring
XX CC the repeats for polymorphic probability and generating a dataset
XX CC correlating the repeats with polymorphic probability to identify a
XX CC candidate polymorphic repeat. The computational methods (polymorphic
XX CC marker prediction of ubiquitous simple sequences, POMPOUS, and Rep-X) are
XX CC useful for identifying and detecting candidate polymorphic repeats in
XX CC human genes, which can be used to understand, treat or eliminate genetic
XX CC diseases, predispositions or adverse drug-treatment reactions. Examples
XX CC of diseases linked to nucleotide repeats are Machado-Joseph, Haw River
XX CC syndrome, Huntington's disease, fragile-X syndrome, Friedrich's ataxia,
XX CC myotonic dystrophy, hyperandrogenaemia, spinal and bulbar atrophy and
XX CC spinocerebellar ataxia. The sequences presented in: ABX79576-ABX80022 are
XX CC the polymorphic repeats identified for a search of human ESTs.
XX CC
XX SQ Sequence 30 BP; 1 A; 9 C; 20 G; 0 U; 0 other;

Query Match 1.4%; Score 22.6; DB 1; Length 30;
Best Local Similarity 86.2%; Pred. No. 46;
Matches 25; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1355 GCGCGCGGGACCGCGGGCGCGGCGG 1383
DB 1 GCGCGCGCGCGCGCGCGCGCGGCGG 29

RESULT 35
ABK10414/C

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CC neurotropic, neuroprotective, anticonvulsant, antiarrhythmic and cytostatic
 CC activities. (I) induces the expression of the BMP-2 and -4 genes, and of
 CC the Hoxd gene. (I) can be used: (i) to promote differentiation of
 CC neuronal cells and survival of the differentiated cells, specifically
 CC dopaminergic or motor neurons, proliferation of chondrocytes, and
 CC proliferation, differentiation and/or survival of mesodermal or
 CC ectodermal cells, either in cell cultures (particularly for preparation
 CC of transplants) or therapeutically; (ii) for detecting loss of response,
 CC in tissues or, to hh proteins; (iii) in drug screening (to identify
 CC (ant)agonists, useful e.g. for inhibition of spermatogenesis); and (iv)
 CC for isolation of cognate receptors. (I) may be used therapeutically to
 CC treat e.g. injuries/defects in the central or peripheral nervous systems,
 CC including Alzheimer's, Parkinson's and Huntington's diseases, or
 CC arrhythmias caused by nerve degeneration; immunological disorders of the
 CC nervous system, e.g. multiple sclerosis; neoplastic and hyperplastic
 CC alterations in the central nervous system, also to promote attachment of
 CC prostheses. The present sequence represents a PCR primer for human sonic
 CC hedgehog (shh), which is used in the exemplification of the present
 CC invention.

XX SQ Sequence 24 BP; 6 A; 5 C; 11 G; 2 T; 0 other;

Query Match 1.5%; Score 24; DB 1; Length 24;
 Best Local Similarity 100.0%; Pred. No. 25;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 524 ACCGAGGCTGGACGACGAGATGCC 547
 Db 1 ACCGAGGCTGGACGACGAGATGCC 24

RESULT 31

AAV18406/c
 ID AAV18406 standard; cDNA; 25 BP.

XX AC AAV18406;
 XX 14-SEP-1998 (first entry)
 XX Human mutated sonic hedgehog (SHH) gene exon 2 PCR primer.

XX Sonic hedgehog; SHH gene; HH gene; tumorigenesis; oncogenesis;
 XX basal cell carcinoma; breast cancer; medulloblastoma; tumour;
 XX cell proliferation; cell differentiation; diagnosis; therapy;
 XX human; PCR; primer; ss.

XX Synthetic.
 XX Homo sapiens.

XX WO9821227-A1.

XX 22-MAY-1998.

XX 12-NOV-1997; 97WO-US20227.

XX 13-NOV-1996; 96US-0748591.

XX (REGC) UNIV CALIFORNIA.

XX Bonifas J, Epstein E, Hu Z;

XX WPI; 1998-297857/26.

XX New nucleic acid encoding oncogenic human hedgehog protein - useful
 PT for, e.g. treatment and diagnosis of cancer and diseases involving
 PT cell proliferation or differentiation

XX Example; Page 23; 47pp; English.

XX This human sonic hedgehog (SHH) gene exon 2-specific primer was
 CC used with another exon 2-specific primer (see AAV18406) in a PCR
 CC using DNA from human bacterial artificial chromosome (BAC) DNA
 CC pools. Only pools comprising a BAC that contains the sequence tag

CC defined by the primer pair will yield an amplification product.
 CC The process was continued until a single positive BAC was
 CC identified. The positive clone, BAC270A17, was digested with
 CC restriction enzymes and ligated into vectorette linkers. Mutations
 CC (see AAV18403 and AAV18404) have been identified in the SHH gene in
 CC human cancers. The mutated SHH genes and the encoded polypeptides
 CC (see AAW48735 and AAW48736) can be used in methods for the treatment
 CC and diagnosis of cancer and other diseases involving cell
 CC proliferation or differentiation.

XX SQ Sequence 25 BP; 4 A; 8 C; 8 G; 5 T; 0 other;

Query Match 1.5%; Score 23.4; DB 1; Length 25;
 Best Local Similarity 96.0%; Pred. No. 31;
 Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 616 CAGCAAGTACGGCAGCTGGCCCGC 640
 Db 25 CAGCAAGTACGGCAGCTGGCTGCG 1

RESULT 32

AAV62418

ID AAV62418 standard; DNA; 33 BP.

XX AC AAV62418;

XX 02-FEB-1999 (first entry)

XX Human Sonic hedgehog gene sense PCR primer.

XX Sonic hedgehog; Desert hedgehog; human; HuDHH; PCR; primer; ss.

XX Synthetic.

XX Homo sapiens.

XX EP874048-A2.

XX 28-OCT-1998.

XX 24-APR-1998; 98EP-0303187.

XX 14-APR-1998; 98JP-0117873.

XX 25-APR-1997; 97JP-0121578.

XX (HAYB) HAYASHIBARA SEIBUTSU KAGAKU.

XX Ariyasu T, Nakamura S, Ozita K;

XX WPI; 1998-544642/47.

XX Human Desert hedgehog protein - and corresponding DNA and monoclonal
 PT antibody

XX Example 4-1(a); Page 13; 39pp; English.

XX This sense primer is based on the human Sonic hedgehog gene. It
 CC was used with an antisense primer (see AAV62419) in the PCR
 CC amplification of human A549 (ATCC CRL-185) cDNA. A recombinant
 CC DNA clone (see AAV62400) encoding human Sonic hedgehog protein (see
 CC AAW79600) was obtained. The protein was expressed in E. coli cells
 CC and used to raise monoclonal antibodies that showed specificity for
 CC both Sonic hedgehog and for novel human Desert hedgehog proteins.
 CC DNA sequences (see AAV62393-95) encoding mature and precursor forms
 CC (see AAW79593-95) of human Desert hedgehog are claimed. The Desert
 CC hedgehog DNA, protein and a claimed monoclonal antibody can be
 CC used in to elucidate hereditary morphological abnormalities in
 CC humans to establish their treatments and diagnoses.

XX SQ Sequence 33 BP; 5 A; 8 C; 14 G; 6 T; 0 other;

Query Match 1.5%; Score 23.4; DB 1; Length 33;
 Best Local Similarity 81.8%; Pred. No. 39;

CC determining whether a patient is at the risk of disorder characterised by
 CC unwanted cell proliferation or aberrant control of differentiation. The
 CC hedgehog proteins or mimetics can be used to induce foetal neurons
 CC especially neuronal stem cells in intracerebral grafting. The protein
 CC or its mimetic can be used in the treatment of neurological conditions
 CC e.g. injury to nervous system, ischaemia resulting from stroke,
 CC Alzheimer's disease, Parkinson's disease, Huntington's chorea,
 CC amyotrophic lateral sclerosis (ALS) and multiple sclerosis. The present
 CC DNA sequence is forward PCR primer which is used for amplifying human
 CC Sonic hedgehog (Shh) gene.

XX
 SQ Sequence 24 BP; 6 A; 5 C; 11 G; 2 T; 0 other;
 Query Match 1.5%; Score 24; DB 1; Length 24;
 Best Local Similarity 100.0%; Pred. No. 25;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 524 ACCGAGGCTGGGACGAAGATGGC 547
 |||||
 Db 1 ACCGAGGCTGGGACGAAGATGGC 24

RESULT 29
 AAC87097
 ID AAC87097 standard; DNA; 24 BP.
 XX AC AAC87097;
 XX AC AAC87097;
 XX 20-APR-2001 (first entry)
 DT
 XX PCR primer for cDNA encoding human sonic hedgehog protein (Shh).
 DE Hedgehog related-protein; sonic hedgehog protein; Shh; ischemia; stroke;
 XX desert hedgehog protein; Dhh; Indian hedgehog protein; Ihh; neuron;
 KW neurological condition; nervous system injury; tumour-induced injury;
 KW aging; Alzheimer's disease; chronic neurodegenerative disease;
 KW Parkinson's disease; Huntington's chorea; amyotrophic lateral sclerosis;
 KW spinocerebellar degeneration; arrhythmia; nerve degeneration; multiple sclerosis;
 KW multiple sclerosis; PCR primer; ss.
 XX
 XX Homo sapiens.
 OS
 XX US6165747-A.
 PN
 XX 26-DEC-2000.
 PD
 XX 05-JUN-1995; 95US-0460900.
 PF
 XX 30-DEC-1993; 93US-0176427.
 PR
 XX 14-DEC-1994; 94US-0356050.
 PR
 XX 04-MAY-1995; 95US-0435093.
 PR
 XX (HARD) HARVARD COLLEGE.
 PA
 XX (IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.
 XX
 XX Ingham PW, McMahon AP, Tabin CJ, Marti-gorostiza E, Bumcrot DA;
 PI WPI; 2001-079847/09.
 DR
 XX Polynucleotides encoding hedgehog proteins, useful for treating
 FT diseases of nervous system such as Alzheimer's disease, Parkinson's
 FT disease, Huntington's chorea, amyotrophic lateral sclerosis, multiple
 FT sclerosis -
 PT
 XX
 XX Example 5; Column 86; 119pp; English.
 PS
 XX PCR primers AAC87097-98 were used to amplify cDNA encoding a hedgehog
 CC related-protein. The specification describes a sonic hedgehog protein
 CC (Shh), a desert hedgehog protein (Dhh), and an Indian hedgehog protein
 CC (Ihh). The hedgehog polynucleotides are useful in diagnostic, in
 CC antisense therapy and in therapeutic assays for detecting and treating
 CC disorders involving, e.g., aberrant expression of vertebrate hedgehog
 CC homologue. Hedgehog polypeptides are useful therapeutically to enhance

CC survival of neurons and other neuron cells and in treating neurological
 CC conditions deriving from acute, subacute, or chronic injury to the
 CC nervous system, including traumatic injury, chemical injury, vascular
 CC injury and deficits (such as the ischemia resulting from stroke),
 CC together with infectious/inflammatory and induced-injury, aging
 CC of the nervous system including Alzheimer's disease, chronic
 CC neurodegenerative diseases of the nervous system, including Parkinson's
 CC disease, Huntington's chorea, amyotrophic lateral sclerosis,
 CC spinocerebellar degenerations, and chronic immunological diseases of
 CC the nervous system or affecting the nervous system, including multiple
 CC sclerosis.

XX
 SQ Sequence 24 BP; 6 A; 5 C; 11 G; 2 T; 0 other;
 Query Match 1.5%; Score 24; DB 1; Length 24;
 Best Local Similarity 100.0%; Pred. No. 25;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 524 ACCGAGGCTGGGACGAAGATGGC 547
 |||||
 Db 1 ACCGAGGCTGGGACGAAGATGGC 24

RESULT 30
 ABBN87569
 ID ABBN87569 standard; DNA; 24 BP.
 XX AC ABBN87569;
 XX AC ABBN87569;
 XX 06-AUG-2002 (first entry)
 DT
 XX Human sonic hedgehog (Shh) PCR primer SHHF SEQ ID NO:43.
 DE Sonic hedgehog; Shh; desert hedgehog; Dhh; Indian hedgehog; Ihh;
 KW antiparkinsonian; antiarrhythmic; neuroprotective; anticonvulsant;
 KW cytotactic; nootropic; spermatogenesis; peripheral nervous system;
 KW central nervous system; Alzheimer's disease; Parkinson's disease;
 KW Huntington's disease; arrhythmia; nerve degeneration; multiple sclerosis;
 KW immunological disorder; neoplastic; hyperplastic; PCR primer; ss.
 XX
 XX Homo sapiens.
 OS
 XX Synthetic.
 OS
 XX US6384192-B1.
 PN
 XX 07-MAY-2002.
 PD
 XX 20-OCT-1997; 97US-0957874.
 PF
 XX 05-JUN-1995; 95US-0462386.
 PR
 XX 30-DEC-1993; 93US-0176427.
 PR
 XX 14-DEC-1994; 94US-0356060.
 PR
 XX 04-MAY-1995; 95US-0435093.
 PR
 XX (HARD) HARVARD COLLEGE.
 PA
 XX (IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.
 XX
 XX Ingham PW, McMahon AP, Tabin CJ;
 PI WPI; 2002-442817/47.
 DR
 XX New vertebrate hedgehog-related proteins, useful e.g. for promoting
 FT differentiation, survival and proliferation of cells, e.g. for treating
 FT neurodegeneration -
 PT
 XX
 XX Example 5; Column 88; 116pp; English.
 PS
 XX The present invention describes an isolated and/or recombinant
 CC polypeptide (I) comprising a hedgehog (hh) amino acid (aa) sequence
 CC encoded by a nucleic acid (II) that hybridizes under stringent conditions
 CC to 1 of 6 sequences (see ABBN87544, and ABBN87546 to ABBN87550). (I) binds
 CC to a natural patched receptor. Specifically claimed example of (I) are
 CC given in ABB79132 and ABB79134 to ABB79138. (I) has antiparkinsonian,

XX Example; Page 23; 47pp; English.

XX This human sonic hedgehog (SHH) gene exon 2-specific primer was
 PS used with another exon 2-specific primer (see AAV18406) in a PCR
 CC using DNA from human bacterial artificial chromosome (BAC) DNA
 CC pools. Only pools comprising a BAC that contains the sequence tag
 CC defined by the primer pair will yield an amplification product.
 CC The process was continued until a single positive BAC was
 CC identified. The positive clone, BAC270A17, was digested with
 CC restriction enzymes and ligated into vectorette linkers. Mutations
 CC (see AAV18403 and AAV18404) have been identified in the SHH gene in
 CC human cancers. The mutated SHH genes and the encoded polypeptides
 CC (see AAW48735 and AAW48736) can be used in methods for the treatment
 CC and diagnosis of cancer and other diseases involving cell
 CC proliferation or differentiation.

XX Sequence 24 BP; 6 A; 5 C; 11 G; 2 T; 0 other;

XX Query Match 1.5%; Score 24; DB 1; Length 24;
 PS Best Local Similarity 100.0%; Pred. No. 25;
 CC Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 524 ACCGAGGCTGGGACGAAGATGCC 547
 Db 1 ACCGAGGCTGGGACGAAGATGCC 24

RESULT 27

AAH76132

ID AAH76132 standard; DNA; 24 BP.

XX AC AAH76132;

XX 29-OCT-2001 (first entry)

XX Human Shh DNA amplifying primer SHH5'.

XX Hedgehog protein; sonic hedgehog; Shh; indian hedgehog; Ihh; Dhh;
 KW desert hedgehog; cell differentiation; human; PCR primer; ss.

XX Homo sapiens.

XX US6271363-B1.

XX 07-AUG-2001.

XX 20-OCT-1997; 97US-0954698.

XX 05-JUN-1995; 95US-0462386.

XX 30-DEC-1993; 93US-0176427.

XX 14-DEC-1994; 94US-0356060.

XX 04-MAY-1995; 94US-0435093.

XX 14-DEC-1994; 94US-0356060.

XX 04-MAY-1995; 95US-0435093.

XX (HARD) HARVARD COLLEGE.

XX (IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.

XX Ingham PW, McMahon AP, Tabin CJ;

XX WPI; 2001-456723/49.

XX Novel nucleic acid encoding a hedgehog polypeptide, used to produce the
 PS polypeptide, which is used to promote proliferation, survival, and/or
 CC differentiation of neuronal and mesodermal tissue -

XX Example 5; Column 88; 118pp; English.

XX The invention relates to nucleic acids encoding hedgehog proteins
 CC selected from sonic hedgehog (Shh), indian hedgehog (Ihh), desert
 CC hedgehog (Dhh) polypeptides. The hedgehog genes are involved in the
 CC formation of ordered spatial arrangements of differentiated tissue in
 CC vertebrates. The nucleic acid sequences are useful for producing hedgehog
 CC proteins, used for promoting differentiation of, or survival of

CC differentiated, neuronal cells, and for promoting proliferation, survival
 CC or differentiation of mesenchymal, endodermal or ectodermal tissue,
 CC particularly chondrocytes, or testicular germ line cells. Sequences
 CC AAH76132-133 represent PCR primers for amplifying a human Shh DNA.

XX Sequence 24 BP; 6 A; 5 C; 11 G; 2 T; 0 other;

XX Query Match 1.5%; Score 24; DB 1; Length 24;
 PS Best Local Similarity 100.0%; Pred. No. 25;
 CC Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 524 ACCGAGGCTGGGACGAAGATGCC 547
 Db 1 ACCGAGGCTGGGACGAAGATGCC 24

RESULT 28

AAH76132

ID AAD10171 standard; DNA; 24 BP.

XX AC AAD10171;

XX 12-SEP-2001 (first entry)

XX Human Sonic hedgehog (Shh) gene amplifying forward PCR primer SHHF.

XX Human; Sonic hedgehog; Shh; morphogenic signal; neuron;
 KW embryonic patterning; cell culture; cell differentiation; ischaemia;
 KW cell proliferative disorder; intracerebral grating; Huntington's chorea;
 KW neurological disorder; Alzheimer's disease; Parkinson's disease;
 KW amyotrophic lateral sclerosis; ALS; multiple sclerosis; PCR primer; ss.

XX Homo sapiens.

XX US6261786-B1.

XX 17-JUL-2001.

XX 02-JUL-1996; 96US-0674509.

XX 30-DEC-1993; 93US-0176427.

XX 14-DEC-1994; 94US-0356060.

XX 04-MAY-1995; 95US-0435093.

XX 05-JUN-1995; 95US-0460900.

XX 05-JUN-1995; 95US-0462386.

XX (IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.

XX (HARD) HARVARD COLLEGE.

XX Marigo V, Tabin CJ, Ingham PW, McMahon AP;

XX WPI; 2001-440859/47.

XX Screening compounds that potentiate or inhibit binding of hedgehog
 PS polypeptide to naturally occurring patched receptor, comprises
 CC contacting polypeptide with receptor and test compound, and detecting
 CC change in binding -

XX Example 5; Column 98; 127pp; English.

XX The present invention relates to assay for screening compounds that
 CC potentiate or inhibit binding of hedgehog polypeptide to naturally
 CC occurring patched receptor. The hedgehog proteins comprise morphogenic
 CC signals produced by embryonic patterning centres, and are involved in the
 CC formation and maintenance of ordered spatial arrangements of
 CC differentiated tissues in vertebrates, both adult and embryonic. The
 CC proteins can be used to generate and/or maintain an array of different
 CC vertebrate tissues both in vitro and in vivo. The invention also relates
 CC to a method for modulating growth, differentiation or survival of a
 CC mammalian cell (e.g. neuron, testicular cell) responsive to hedgehog
 CC induction. Hedgehog agonists and antagonists can be used in cell culture
 CC techniques to enhance survival and maintenance of neurons and various
 CC vertebrate organogenic pathways. The hedgehog gene is useful in

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PF 15-MAR-1994; 94WO-US02806.
XX
PR 15-MAR-1993; 93US-0031778.
XX
XX (UYVA ) UNIV YALE.
PA
XX Altman S, George ST, Goldberg AR, Guerrier-takada C;
PI Robertson HD, Lundberg FUH;
XX
XX WPI; 1994-316924/39.
XX
PT Diagnosis of inflammatory bowel disease - using bodily tissue as
XX well as biopsied tissues.
PT
XX Claim 1; Page 20; 71pp; English.
XX
CC A series of partial nucleic acid sequences (AAQ73438-42) determined from
CC isolated small RNA molecules specific to inflammatory bowel disease such
CC as Crohn's disease or ulcerative colitis. The sequences of the RNAs
CC were determined by alkaline hydrolysis and gel electrophoresis. The
CC nucleic acids of AAQ73440-1 were found to be homologous to a portion of
CC the human 28S rRNA (AAQ73442) when searches of nucleotide sequence
CC databases were carried out. The nucleic acids shown, or their
CC complements, can be used as probes hybridizing to, or as primers to
CC amplify, regions of the small RNAs, or their complementary nucleic acids
CC sequences, present in the diseased tissues. The sequences, or their
CC complements, were used to derive peptides (AAR63104-116) which could be
CC utilised to generate antibodies against peptides present in the diseased
CC tissues. With this method, it is possible to perform diagnosis from
CC bodily samples as well as biopsied tissue. This allows rapid diagnosis
CC early in the course of the disease, an improvement over methods relying
CC on histopathological detection available only once the disease has become
CC overtly established.
CC (Updated on 25-MAR-2003 to correct PN field.)
XX
XX Sequence 33 BP; 0 A; 10 C; 22 G; 0 T; 1 other;
SQ
Query Match 1.6%; Score 25; DB 1; Length 33;
Best Local Similarity 84.8%; Pred. No. 23;
Matches 28; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1351 CAGCGCGCGGCGGACCGCGGCGGCGGCGGCGG 1383
Db 1 CCGCGCGCGGCGGCGGCGGCGGCGGCGGCGG 33

RESULT 25
AAQ91654
ID AAQ91654 standard; cDNA; 24 BP.
XX
XX AAQ91654;
AC
XX 03-MAY-1996 (first entry)
DT
XX Human sonic hedgehog protein gene primer SHHF5'.
DE
XX Human; sonic hedgehog gene; nested polymerase chain reaction; PCR;
XX fetal lung; probe; primer; diagnostic; nervous system disorder;
XX gene therapy; antibody; ss.
XX
XX Synthetic.
OS
XX WO9518856-A1.
PN
XX 13-JUL-1995.
PD
XX 30-DEC-1994; 94WO-US14992.
XX
XX 14-DEC-1994; 94US-0356060.
PR
XX 30-DEC-1993; 93US-0176427.
XX
XX (HARD ) HARVARD COLLEGE.
PA (IMCR ) IMPERIAL CANCER RES TECHNOLOGY.
PT

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XX Ingham PW, McMahon AP, Tabin CJ;
XX
XX WPI; 1995-255060/33.
XX
XX Hedgehog-like protein(s) and nucleic acid(s) encoding them - useful
XX to treat degenerative nervous system disorder(s) and in gene
XX therapy.
XX
XX Example 5; Page 100; 210pp; English.
XX
XX The sequences given in AAQ91654-57 are primers which were used to
XX amplify a sequence which encodes a human sonic hedgehog protein,
XX homologous to a Drosophila hedgehog protein (AAR77337). The human
XX sequence was isolated by screening of human genome DNA by nested
XX polymerase chain reaction using these primers, followed by use of a clone
XX to screen a human fetal lung 5'-stretch plus cDNA library in phage
XX lambda-gt10. A clone has been isolated from a phage PI library by
XX polymerase chain reaction, using primers SHHF (AAQ91654) and SHR
XX (AAQ91655), to give clone SHHE1. A 2.5-kb EcoRI CA repeat fragment is
XX amplified using primers SHHCAF (AAQ91656) and SHHCAR (AAQ91657). Probes
XX and primers derived from the sonic hedgehog sequence may be used as
XX diagnostic agents for neuromuscular, autonomic or central nervous system
XX disorders, and the gene may also be used in gene therapy. Antibodies
XX generated from the encoded protein may be used as therapeutic or research
XX reagents.
XX
XX Sequence 24 BP; 6 A; 5 C; 11 G; 2 T; 0 other;
SQ
Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGSC 547
Db 1 ACCGAGGGCTGGGACGAGATGSC 24

RESULT 26
AAV18405
ID AAV18405 standard; cDNA; 24 BP.
XX
XX AAV18405;
AC
XX 14-SEP-1998 (first entry)
DT
XX Human mutated sonic hedgehog (SHH) gene exon 2 PCR primer.
DE
XX Sonic hedgehog; SHH gene; HH gene; tumorigenesis; oncogenesis;
XX basal cell carcinoma; breast cancer; medulloblastoma; tumour;
XX cell proliferation; cell differentiation; diagnosis; therapy;
XX human; PCR; primer; ss.
XX
XX Synthetic.
OS
XX Homo sapiens.
XX
XX WO9821227-A1.
PN
XX 22-MAY-1998.
PD
XX 12-NOV-1997; 97WO-US20227.
XX
XX 13-NOV-1996; 96US-0748591.
PR
XX (REGC ) UNIV CALIFORNIA.
XX
XX Bonifas J, Epstein E, Hu Z;
XX
XX WPI; 1998-297857/26.
XX
XX New nucleic acid encoding oncogenic human hedgehog protein - useful
XX for, e.g. treatment and diagnosis of cancer and diseases involving
XX cell proliferation or differentiation
XX

```

KW mutagenic primer; ss.

XX Homo sapiens.
OS Synthetic.

XX WO2000073337-A1.

XX 07-DEC-2000.

XX 26-MAY-2000; 2000WO-US14741.

XX 01-JUN-1999; 99US-0137011.

XX 13-AUG-1999; 99US-0149016.

XX (BIOJ) BIOGEN INC.

XX Pepinsky RB, Taylor F, Garber E;

XX WPI; 2001-049927/06.

XX Modified hedgehog protein, useful in the treatment of Parkinson's
PT disease and Huntington's chorea, comprises a polymer containing a
PT polyalkylene glycol group linked to any residue other than the
PT N-terminal and lysine residues -

XX Example 6; Page 77; 157pp; English.

XX The invention relates to novel polymer conjugates of hedgehog proteins
CC which have increased bioavailability. The hedgehog proteins are
CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene
CC glycol group, with the proviso that the polymer is not conjugated to the
CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
CC (Shh). Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
CC a hedgehog fusion protein. The invention also relates to methods of
CC defining and mapping functionally important regions of a protein by
CC modifying accessible amino acid side chains, and determining the effect
CC the position and/or type of modification have on the activity of the
CC protein. The hedgehog polymer conjugates may be used in the management of
CC various medical conditions including various neurological disorders,
CC inflammatory and autoimmune diseases, and cancers. In particular, they
CC may be used to prevent preventing or ameliorate neurodegenerative
CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
CC disease); age-associated neurological disease; neurological injury and
CC trauma; immunological diseases of the nervous system (e.g., multiple
CC sclerosis); stroke; and malignant gliomas, medulloblastomas and
CC neuroectodermal tumours. The modifications made to the hedgehog protein
CC may result in increased half-life, altered tissue distribution (such as
CC an improved ability to stay in the vasculature for longer periods of
CC time), increased stability in solution, protection from proteolytic
CC degradation, or reduced immunogenicity. In particular, the ability to
CC remain in the vasculature for prolonged periods may allow a hedgehog
CC protein of the invention to cross the blood-brain barrier, and an
CC increased thermal stability would be an advantage when formulating the
CC hedgehog protein in powder form. The present sequence represents a
CC human Sonic hedgehog mutagenic primer used in an exemplification of the
CC invention.

XX Sequence 37 BP; 7 A; 8 C; 13 G; 9 T; 0 other;

Query Match 2.0%; Score 32.2; DB 1; Length 37;
Best Local Similarity 91.9%; Pred. No. 2.6;
Matches 34; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 538 CGAAGATGGCCACCACCTCAGAGGAGTCTCTGCATAC 574

DB 37 CGAAGATGGCCACCACCTCAGAGGAGTCTCTGCATAC 1

RESULT 23

ABT03768/C

ID ABT03768 standard; DNA; 27 BP.

XX

AC

XX

DT 13-SEP-2002 (first entry)

XX

DE Human SHH gene PCR primer SEQ ID NO: 289.

XX

KW Human; cancer; neoplastic disease; tumour specific marker; cytostatic;
transcription factor; PCR; primer; ss.

XX

OS Homo sapiens.

XX

PN WO200240716-A2.

XX

PD 23-MAY-2002.

XX

PF 13-NOV-2001; 2001WO-US43461.

XX

PR 16-NOV-2000; 2000US-249508P.

XX

PA (CEMI-) CEMINES LLC.

XX

PI Palm K;

XX

DR WPI; 2002-537346/57.

XX

PT Determining the presence of neoplastic molecular markers, by
PT identifying the presence of markers in host test sample using array of
PT neoplastic molecular marker specific reagents and analyzing the array
PT of the reagents -

XX

XX Example 1; Page 19; 41pp; English.

XX

CC The present invention relates to a method for determining the presence of
CC neoplastic molecular markers in a host, involving the use of neoplastic
CC molecular marker specific reagents to detect such markers and analyzing
CC the array of reagents, allowing the identification of the neoplastic
CC disease present. This can be used to determine the best treatment for
CC cancers, in particular neural cell, lung and prostate tumours. The
CC present sequence is a PCR primer useful for detecting the coding
CC sequences of markers of the invention.

XX

SQ Sequence 27 BP; 3 A; 11 C; 9 G; 4 T; 0 other;

Query Match 1.7%; Score 27; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 755 TCGGCCACGGTGCCACTGGAGCAGGCG 781

DB 27 TCGGCCACGGTGCCACTGGAGCAGGCG 1

XX

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XX PS Example 6; Page 77; 157pp; English.

XX CC The invention relates to novel polymer conjugates of hedgehog proteins

XX CC which have increased bioavailability. The hedgehog proteins are

XX CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene

XX CC glycol group, with the proviso that the polymer is not conjugated to the

XX CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog

XX CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog

XX CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be

XX CC a hedgehog fusion protein. The invention also relates to methods of

XX CC defining and mapping functionally important regions of a protein by

XX CC modifying accessible amino acid side chains, and determining the effect

XX CC the position and/or type of modification have on the activity of the

XX CC protein. The hedgehog polymer conjugates may be used in the management of

XX CC various medical conditions including various neurological disorders,

XX CC inflammatory and autoimmune diseases, and cancers. In particular, they

XX CC may be used to prevent preventing or ameliorate neurodegenerative

XX CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's

XX CC disease); age-associated neurological diseases of the nervous system (e.g., multiple

XX CC sclerosis); stroke; and malignant gliomas, medulloblastomas and

XX CC neuroectodermal tumours. The modifications made to the hedgehog protein

XX CC may result in increased half-life, altered tissue distribution (such as

XX CC an improved ability to stay in the vasculature for longer periods of

XX CC time), increased stability in solution, protection from proteolytic

XX CC degradation, or reduced immunogenicity. In particular, the ability to

XX CC remain in the vasculature for prolonged periods may allow a hedgehog

XX CC protein of the invention to cross the blood-brain barrier, and an

XX CC increased thermal stability would be an advantage when formulating the

XX CC hedgehog protein in powder form. The present sequence represents a

XX CC human Sonic hedgehog mutagenic primer used in an exemplification of the

XX CC invention.

XX SQ Sequence 37 BP; 6 A; 10 C; 12 G; 9 T; 0 other;

Query Match 2.1%; Score 33.8; DB 1; Length 37;

Best Local Similarity 94.6%; Pred. No. 1.6;

Matches 35; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 538 CGAAGTGGCCACCTCAGAGGAGTCTGCACTAC 574

DB 37 CGAAGTGGCCACCTCAGAGGAGTCTGCACTAC 1

RESULT 21

AAF27041/C

ID AAF27041 standard; DNA; 35 BP.

XX AC AAF27041;

XX DT 30-MAR-2001 (first entry)

XX DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:45.

XX KW Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;

XX KW bioavailability; formulation; neurological disorder;

XX KW inflammatory disorder; autoimmune disorder; cancer;

XX KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;

XX KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;

XX KW malignant glioma; medulloblastoma; neuroectodermal tumour;

XX KW mutagenic primer; ss.

XX OS Homo sapiens.

XX OS Synthetic.

XX PN WO200073337-A1.

XX XX 07-DEC-2000.

XX XX 26-MAY-2000; 2000WO-US14741.

XX XX 01-JUN-1999; 99US-0137011.

PR 13-AUG-1999; 99US-0149016.

XX PA (BIOJ) BIOGEN INC.

XX PI Pepinsky RB, Taylor P, Garber E;

XX XX WPI; 2001-049927/06.

XX PT Modified hedgehog protein, useful in the treatment of Parkinson's

XX PT disease and Huntington's chorea, comprises a polymer containing a

XX PT polyalkylene glycol group linked to any residue other than the

XX PT N-terminal and lysine residues -

XX PS Example 6; Page 77; 157pp; English.

XX CC The invention relates to novel polymer conjugates of hedgehog proteins

XX CC which have increased bioavailability. The hedgehog proteins are

XX CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene

XX CC glycol group, with the proviso that the polymer is not conjugated to the

XX CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog

XX CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog

XX CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be

XX CC a hedgehog fusion protein. The invention also relates to methods of

XX CC defining and mapping functionally important regions of a protein by

XX CC modifying accessible amino acid side chains, and determining the effect

XX CC the position and/or type of modification have on the activity of the

XX CC protein. The hedgehog polymer conjugates may be used in the management of

XX CC various medical conditions including various neurological disorders,

XX CC inflammatory and autoimmune diseases, and cancers. In particular, they

XX CC may be used to prevent preventing or ameliorate neurodegenerative

XX CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's

XX CC disease); age-associated neurological diseases of the nervous system (e.g., multiple

XX CC sclerosis); stroke; and malignant gliomas, medulloblastomas and

XX CC neuroectodermal tumours. The modifications made to the hedgehog protein

XX CC may result in increased half-life, altered tissue distribution (such as

XX CC an improved ability to stay in the vasculature for longer periods of

XX CC time), increased stability in solution, protection from proteolytic

XX CC degradation, or reduced immunogenicity. In particular, the ability to

XX CC remain in the vasculature for prolonged periods may allow a hedgehog

XX CC protein of the invention to cross the blood-brain barrier, and an

XX CC increased thermal stability would be an advantage when formulating the

XX CC hedgehog protein in powder form. The present sequence represents a

XX CC human Sonic hedgehog mutagenic primer used in an exemplification of the

XX CC invention.

XX SQ Sequence 35 BP; 8 A; 15 C; 9 G; 3 T; 0 other;

Query Match 2.1%; Score 33.4; DB 1; Length 35;

Best Local Similarity 97.1%; Pred. No. 1.7;

Matches 34; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 639 GCCTGGCGGTGGAGCGCGCTTCGACTGGGTGTAC 673

DB 35 GCCTGGCGGTGGAGCGCGCTTCGACTGGGTGTAC 1

RESULT 22

AAF27040/C

ID AAF27040 standard; DNA; 37 BP.

XX AC AAF27040;

XX XX 30-MAR-2001 (first entry)

XX DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:44.

XX KW Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;

XX KW bioavailability; formulation; neurological disorder;

XX KW inflammatory disorder; autoimmune disorder; cancer;

XX KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;

XX KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;

XX KW malignant glioma; medulloblastoma; neuroectodermal tumour;

CC an improved ability to stay in the vasculature for longer periods of
 CC time), increased stability in solution, protection from proteolytic
 CC degradation, or reduced immunogenicity. In particular, the ability to
 CC remain in the vasculature for prolonged periods may allow a hedgehog
 CC protein of the invention to cross the blood-brain barrier, and an
 CC increased thermal stability would be an advantage when formulating the
 CC hedgehog protein in powder form. The present sequence represents a
 CC human Sonic hedgehog mutagenic primer used in an exemplification of the
 CC invention.

XX Sequence 39 BP; 7 A; 12 C; 13 G; 7 T; 0 other;

Query Match 2.3%; Score 35.8; DB 1; Length 39;
 Best Local Similarity 94.9%; Pred. No. 0.87; 2; Indels 0; Gaps 0;
 Matches 37; Conservative 0; Mismatches 0;

QY 597 CCACGTCGACCGGACCGCAGCAGTACGCGCATGCTGG 635

DB 39 CCACGTCGACCGGATCGCTGCAAGTACGCGCATGCTGG 1

RESULT 19

AAF27035/c

ID AAF27035 standard; DNA; 42 BP.

XX AAF27035;

XX 30-MAR-2001 (first entry)

DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:39.

XX Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;
 KW bioavailability; formulation; neurological disorder;
 KW inflammatory disorder; autoimmune disorder; cancer;
 KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;
 KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour;
 KW mutagenic primer; ss.

XX Homo sapiens.

OS Synthetic.

XX WO2000073337-A1.

XX 07-DEC-2000.

XX 26-MAY-2000; 2000WO-US14741.

XX 01-JUN-1999; 99US-0137011.

XX 13-AUG-1999; 99US-0149016.

XX (BIOJ) BIOGEN INC.

XX Pepinsky RB, Taylor F, Garber E;

XX WPI; 2001-049927/06.

XX Modified hedgehog protein, useful in the treatment of Parkinson's
 PT disease and Huntington's chorea, comprises a polymer containing a
 PT polyalkylene glycol group linked to any residue other than the
 PT N-terminal and lysine residues -

PS Example 6; Page 77; 157pp; English.

XX The invention relates to novel polymer conjugates of hedgehog proteins
 CC which have increased bioavailability. The hedgehog proteins are
 CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene
 CC glycol group, with the proviso that the polymer is not conjugated to the
 CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
 CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
 CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
 CC a hedgehog fusion protein. The invention also relates to methods of
 CC defining and mapping functionally important regions of a protein by

CC modifying accessible amino acid side chains, and determining the effect
 CC the position and/or type of modification have on the activity of the
 CC protein. The hedgehog polymer conjugates may be used in the management of
 CC various medical conditions including various neurological disorders,
 CC inflammatory and autoimmune diseases, and cancers. In particular, they
 CC may be used to prevent preventing or ameliorate neurodegenerative
 CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
 CC disease); age-associated neurological disease; neurological injury and
 CC trauma; immunological diseases of the nervous system (e.g., multiple
 CC sclerosis); stroke; and malignant gliomas, medulloblastomas and
 CC neuroectodermal tumours. The modifications made to the hedgehog protein
 CC may result in increased half-life, altered tissue distribution (such as
 CC an improved ability to stay in the vasculature for longer periods of
 CC time), increased stability in solution, protection from proteolytic
 CC degradation, or reduced immunogenicity. In particular, the ability to
 CC remain in the vasculature for prolonged periods may allow a hedgehog
 CC protein of the invention to cross the blood-brain barrier, and an
 CC increased thermal stability would be an advantage when formulating the
 CC hedgehog protein in powder form. The present sequence represents a
 CC human Sonic hedgehog mutagenic primer used in an exemplification of the
 CC invention.

XX Sequence 42 BP; 11 A; 11 C; 10 G; 10 T; 0 other;

Query Match 2.3%; Score 35.6; DB 1; Length 42;

Best Local Similarity 90.5%; Pred. No. 0.98;

Matches 38; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 445 GACTCAGAGGTGTAAGGACAAAGTTGACGCTTTGGCCATCTC 486

DB 42 GACTCAGAGGTGTAAGGACTGCTTAACGCTTTGGCCATCTC 1

RESULT 20

AAF27037/c

ID AAF27037 standard; DNA; 37 BP.

XX AAF27037;

XX 30-MAR-2001 (first entry)

DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:41.

XX Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;
 KW bioavailability; formulation; neurological disorder;
 KW inflammatory disorder; autoimmune disorder; cancer;
 KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;
 KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour;
 KW mutagenic primer; ss.

XX Homo sapiens.

OS Synthetic.

XX WO2000073337-A1.

XX 07-DEC-2000.

XX 26-MAY-2000; 2000WO-US14741.

XX 01-JUN-1999; 99US-0137011.

XX 13-AUG-1999; 99US-0149016.

XX (BIOJ) BIOGEN INC.

XX Pepinsky RB, Taylor F, Garber E;

XX WPI; 2001-049927/06.

XX Modified hedgehog protein, useful in the treatment of Parkinson's
 PT disease and Huntington's chorea, comprises a polymer containing a
 PT polyalkylene glycol group linked to any residue other than the
 PT N-terminal and lysine residues -

XX AC AAF27025;
XX DE 30-MAR-2001 (first entry)
XX DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:29.
XX KW Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;
XX KW bioavailability; formulation; neurological disorder;
XX KW inflammatory disorder; autoimmune disorder; cancer;
XX KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;
XX KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;
XX KW malignant glioma; medulloblastoma; neuroectodermal tumour;
XX KW mutagenic primer; ss.
XX OS Homo sapiens.
XX OS Synthetic.
XX PN WO200073337-A1.
XX PD 07-DEC-2000.
XX PF 26-MAY-2000; 2000WO-US14741.
XX PR 01-JUN-1999; 99US-0137011.
XX PR 13-AUG-1999; 99US-0149016.
XX PA (BIOJ) BIOGEN INC.
XX PI Pepinsky RB, Taylor F, Garber E;
XX XX WPI; 2001-049927/06.
XX DR Modified hedgehog protein, useful in the treatment of Parkinson's
XX PT disease and Huntington's chorea, comprises a polymer containing a
XX PT polyalkylene glycol group linked to any residue other than the
XX PT N-terminal and lysine residues -
XX PS Example 2; Page 67; 157pp; English.
XX CC The invention relates to novel polymer conjugates of hedgehog proteins
XX CC which have increased bioavailability. The hedgehog proteins are
XX CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene
XX CC glycol group, with the proviso that the polymer is not conjugated to the
XX CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
XX CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
XX CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
XX CC a hedgehog fusion protein. The invention also relates to methods of
XX CC defining and mapping functionally important regions of a protein by
XX CC modifying accessible amino acid side chains, and determining the effect
XX CC the position and/or type of modification have on the activity of the
XX CC protein. The hedgehog polymer conjugates may be used in the management of
XX CC various medical conditions including various neurological disorders,
XX CC inflammatory and autoimmune diseases, and cancers. In particular, they
XX CC may be used to prevent preventing or ameliorate neurodegenerative
XX CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
XX CC disease), age-associated neurological disease, neurological injury and
XX CC trauma; immunological diseases of the nervous system (e.g., multiple
XX CC sclerosis); stroke; and malignant gliomas, medulloblastomas and
XX CC neuroectodermal tumours. The modifications made to the hedgehog protein
XX CC may result in increased half-life, altered tissue distribution (such as
XX CC time), increased stability in solution, protection from proteolytic
XX CC degradation, or reduced immunogenicity. In particular, the ability to
XX CC remain in the vasculature for prolonged periods may allow a hedgehog
XX CC protein of the invention to cross the blood-brain barrier, and an
XX CC increased thermal stability would be an advantage when formulating the
XX CC hedgehog protein in powder form. The present sequence represents a
XX CC human Sonic hedgehog mutagenic primer used in an exemplification of the
XX CC invention.
XX SQ Sequence 49 BP; 8 A; 18 C; 9 G; 14 T; 0 other;

Query Match 2.3%; Score 36; DB 1; Length 49;
Best Local Similarity 88.6%; Pred. NO. 0.98;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 703 GGTGAAGCAGAGACTCGTGGCGCCCAATCGGAGGCTCT 746
Db 49 GGTGAAGCAGAGACTCGTGGCGCCCAATCGGAGGCTCT 6
RESULT 18
AAAF27038/c
ID AAF27038 standard; DNA; 39 BP.
XX AC AAF27038;
XX DT 30-MAR-2001 (first entry)
XX DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:42.
XX KW Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;
XX KW bioavailability; formulation; neurological disorder;
XX KW inflammatory disorder; autoimmune disorder; cancer;
XX KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;
XX KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;
XX KW malignant glioma; medulloblastoma; neuroectodermal tumour;
XX KW mutagenic primer; ss.
XX OS Homo sapiens.
XX OS Synthetic.
XX PN WO200073337-A1.
XX PD 07-DEC-2000.
XX PF 26-MAY-2000; 2000WO-US14741.
XX PR 01-JUN-1999; 99US-0137011.
XX PR 13-AUG-1999; 99US-0149016.
XX PA (BIOJ) BIOGEN INC.
XX PI Pepinsky RB, Taylor F, Garber E;
XX XX WPI; 2001-049927/06.
XX DR Modified hedgehog protein, useful in the treatment of Parkinson's
XX PT disease and Huntington's chorea, comprises a polymer containing a
XX PT polyalkylene glycol group linked to any residue other than the
XX PT N-terminal and lysine residues -
XX PS Example 6; Page 77; 157pp; English.
XX CC The invention relates to novel polymer conjugates of hedgehog proteins
XX CC which have increased bioavailability. The hedgehog proteins are
XX CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene
XX CC glycol group, with the proviso that the polymer is not conjugated to the
XX CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
XX CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
XX CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
XX CC a hedgehog fusion protein. The invention also relates to methods of
XX CC defining and mapping functionally important regions of a protein by
XX CC modifying accessible amino acid side chains, and determining the effect
XX CC the position and/or type of modification have on the activity of the
XX CC protein. The hedgehog polymer conjugates may be used in the management of
XX CC various medical conditions including various neurological disorders,
XX CC inflammatory and autoimmune diseases, and cancers. In particular, they
XX CC may be used to prevent preventing or ameliorate neurodegenerative
XX CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
XX CC disease), age-associated neurological disease, neurological injury and
XX CC trauma; immunological diseases of the nervous system (e.g., multiple
XX CC sclerosis); stroke; and malignant gliomas, medulloblastomas and
XX CC neuroectodermal tumours. The modifications made to the hedgehog protein
XX CC may result in increased half-life, altered tissue distribution (such as
XX CC time), increased stability in solution, protection from proteolytic
XX CC degradation, or reduced immunogenicity. In particular, the ability to
XX CC remain in the vasculature for prolonged periods may allow a hedgehog
XX CC protein of the invention to cross the blood-brain barrier, and an
XX CC increased thermal stability would be an advantage when formulating the
XX CC hedgehog protein in powder form. The present sequence represents a
XX CC human Sonic hedgehog mutagenic primer used in an exemplification of the
XX CC invention.

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PR 01-JUN-1999; 99US-0137011.
PR 13-AUG-1999; 99US-0149016.
XX (BIOJ ) BIOGEN INC.
XX
XX Pepinsky RB, Taylor F, Garber E;
XX WPI; 2001-049927/06.
XX
XX Modified hedgehog protein, useful in the treatment of Parkinson's
XX disease and Huntington's chorea, comprises a polymer containing a
XX polyalkylene glycol group linked to any residue other than the
XX N-terminal and lysine residues -
XX
XX Example 6; Page 77; 157pp; English.
XX
XX The invention relates to novel polymer conjugates of hedgehog proteins
XX which have increased bioavailability. The hedgehog proteins are
XX conjugated to a non-naturally-occurring polymer comprising a polyalkylene
XX glycol group, with the proviso that the polymer is not conjugated to the
XX N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
XX protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
XX (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
XX a hedgehog fusion protein. The invention also relates to methods of
XX defining and mapping functionally important regions of a protein by
XX modifying accessible amino acid side chains, and determining the effect
XX the position and/or type of modification have on the activity of the
XX protein. The hedgehog polymer conjugates may be used in the management of
XX various medical conditions including various neurological disorders,
XX inflammatory and autoimmune diseases, and cancers. In particular, they
XX may be used to prevent preventing or ameliorate neurodegenerative
XX disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
XX disease); age-associated neurological disease; neurological injury and
XX trauma; immunological diseases of the nervous system (e.g., multiple
XX sclerosis); stroke; and malignant gliomas, medulloblastomas and
XX neuroectodermal tumours. The modifications made to the hedgehog protein
XX may result in increased half-life, altered tissue distribution (such as
XX an improved ability to stay in the vasculature for longer periods of
XX time), increased stability in solution, protection from proteolytic
XX degradation, or reduced immunogenicity. In particular, the ability to
XX remain in the vasculature for prolonged periods may allow a hedgehog
XX protein of the invention to cross the blood-brain barrier, and an
XX increased thermal stability would be an advantage when formulating the
XX hedgehog protein in powder form. The present sequence represents a
XX human Sonic hedgehog mutagenic primer used in an exemplification of the
XX invention.
XX
XX Sequence 42 BP; 11 A; 14 C; 9 G; 8 T; 0 other;
XX
XX Query Match 2.4%; Score 37.2; DB 1; Length 42;
XX Best Local Similarity 92.9%; Pred. No. 0.59;
XX Matches 39; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
XX
XX 474 CTTTGGCCATCTCGGTGATGAACAGTGGCCAGGAGTGAAC 515
XX 42 CTTTGGCCATCTCGGTGATGTCAGTGGCCAGGAGTGAAC 1
XX
XX
XX RESULT 16
XX AAF27039/C
XX ID AAF27039 standard; DNA; 38 BP.
XX
XX AC AAF27039;
XX
XX XX 30-MAR-2001 (first entry)
XX
XX DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:43.
XX
XX KW Sonic hedgehog; Shh; polymer conjugate; polyalkylene glycol group;
XX bioavailability; formulation; neurological disorder;
XX inflammatory disorder; autoimmune disorder; cancer;
XX neurodegenerative disorder; Parkinson's disease; Huntington's disease;
XX Alzheimer's disease; neurological injury; stroke; multiple sclerosis;

```

KW malignant glioma; medulloblastoma; neuroectodermal tumour;
mutagenic primer; ss.

OS Homo sapiens.
OS Synthetic.

FN WO200073337-A1.

XX 07-DEC-2000.

XX 26-MAY-2000; 2000WO-US14741.

XX 01-JUN-1999; 99US-0137011.

XX 13-AUG-1999; 99US-0149016.

XX (BIOJ) BIOGEN INC.

XX Pepinsky RB, Taylor F, Garber E;

XX WPI; 2001-049927/06.

XX Modified hedgehog protein, useful in the treatment of Parkinson's
disease and Huntington's chorea, comprises a polymer containing a
polyalkylene glycol group linked to any residue other than the
N-terminal and lysine residues -

XX Example 6; Page 77; 157pp; English.

XX The invention relates to novel polymer conjugates of hedgehog proteins
which have increased bioavailability. The hedgehog proteins are
conjugated to a non-naturally-occurring polymer comprising a polyalkylene
glycol group, with the proviso that the polymer is not conjugated to the
N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
(Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
a hedgehog fusion protein. The invention also relates to methods of
defining and mapping functionally important regions of a protein by
modifying accessible amino acid side chains, and determining the effect
the position and/or type of modification have on the activity of the
protein. The hedgehog polymer conjugates may be used in the management of
various medical conditions including various neurological disorders,
inflammatory and autoimmune diseases, and cancers. In particular, they
may be used to prevent preventing or ameliorate neurodegenerative
disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
disease); age-associated neurological disease; neurological injury and
trauma; immunological diseases of the nervous system (e.g., multiple
sclerosis); stroke; and malignant gliomas, medulloblastomas and
neuroectodermal tumours. The modifications made to the hedgehog protein
may result in increased half-life, altered tissue distribution (such as
an improved ability to stay in the vasculature for longer periods of
time), increased stability in solution, protection from proteolytic
degradation, or reduced immunogenicity. In particular, the ability to
remain in the vasculature for prolonged periods may allow a hedgehog
protein of the invention to cross the blood-brain barrier, and an
increased thermal stability would be an advantage when formulating the
hedgehog protein in powder form. The present sequence represents a
human Sonic hedgehog mutagenic primer used in an exemplification of the
invention.

XX Sequence 38 BP; 8 A; 11 C; 9 G; 10 T; 0 other;

XX Query Match 2.3%; Score 36.4; DB 1; Length 38;

XX Best Local Similarity 97.4%; Pred. No. 0.7;

XX Matches 37; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

XX 662 GACTGGGTGTACTACGAGTCCAGGCACATATCCACTG 699

XX 38 GACTGGGTGTACTACGAGTCCAGGCACATATCCACTG 1

RESULT 17

AAF27025/C

ID AAF27025 standard; DNA; 49 BP.

PT multiple sclerosis -
 XX
 PS Example 1; Page 62; 178pp; English.
 XX
 CC The present invention relates to hedgehog fusion proteins. Hedgehog
 CC proteins are a family of extracellular signalling proteins that regulate
 CC various aspects of embryonic development both in vertebrates and in
 CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
 CC treatment of any condition or disease state for which a hedgehog or
 CC patched protein constituent is efficacious and in the diagnosis of
 CC constituents or conditions of disease states in biological systems or
 CC specimens and for diagnostic purposes in non-physiological systems.
 CC Hedgehog fusion protein is useful for treating neurological conditions
 CC due to injury, aging of nervous system, including Alzheimer's disease,
 CC chronic neurodegenerative diseases of the nervous system, including
 CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
 CC and chronic immunological diseases of nervous system including multiple
 CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
 CC tumours and to specifically target medical therapies against cancers and
 CC tumours which express the receptor for the protein. The present sequence
 CC is human oligonucleotide HOG-795 used to construct pMWC25 plasmid which
 CC is used in the invention.
 XX
 SQ Sequence 47 BP; 11 A; 16 C; 17 G; 3 T; 0 other;
 Query Match 2.4%; Score 37.4; DB 1; Length 47;
 Best Local Similarity 87.2%; Pred. No. 0.61;
 Matches 41; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 QY 225 GACCGGCGAGGGGGTTCGGAGAGAGGAGCGACCCCAAAAAGCTGACC 271
 Db 1 GCCCGGCGAGGGGGTTCGGGCGAGCGACGACCCCAAAAAGCTGACC 47
 RESULT 14
 ID AAF27032/c
 XX AAF27032 standard; DNA; 42 BP.
 AC AAF27032;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:36.
 XX
 KW Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;
 KW bioavailability; formulation; neurological disorder;
 KW inflammatory disorder; autoimmune disorder; cancer;
 KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;
 KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour;
 KW mutagenic primer; ss.
 XX
 OS Homo sapiens.
 OS Synthetic.
 XX
 PN WO200073337-A1.
 XX
 PD 07-DEC-2000.
 XX
 PF 26-MAY-2000; 2000WO-US14741.
 XX
 PR 01-JUN-1999; 99US-0137011.
 PR 13-AUG-1999; 99US-0149016.
 XX
 PA (BIOJ) BIOGEN INC.
 XX
 PI Pepinsky RB, Taylor F, Garber E;
 XX
 DR WPI; 2001-049927/06.
 XX
 PT Modified hedgehog protein, useful in the treatment of Parkinson's
 PT disease and Huntington's chorea, comprises a polymer containing a
 PT polyalkylene glycol group linked to any residue other than the

PT N-terminal and lysine residues -
 XX
 PS Example 6; Page 77; 157pp; English.
 XX
 CC The invention relates to novel polymer conjugates of hedgehog proteins
 CC which have increased bioavailability. The hedgehog proteins are
 CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene
 CC glycol group, with the proviso that the polymer is not conjugated to the
 CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
 CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
 CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
 CC a hedgehog fusion protein. The invention also relates to methods of
 CC defining and mapping functionally important regions of a protein by
 CC modifying accessible amino acid side chains, and determining the effect
 CC the position and/or type of modification have on the activity of the
 CC protein. The hedgehog polymer conjugates may be used in the management of
 CC various medical conditions including various neurological disorders,
 CC inflammatory and autoimmune diseases, and cancers. In particular, they
 CC may be used to prevent preventing or ameliorate neurodegenerative
 CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
 CC disease); age-associated neurological disease; neurological injury and
 CC trauma; immunological diseases of the nervous system (e.g., multiple
 CC sclerosis); stroke; and malignant gliomas, medulloblastomas and
 CC neuroectodermal tumours. The modifications made to the hedgehog protein
 CC may result in increased half-life, altered tissue distribution (such as
 CC an improved ability to stay in the vasculature for longer periods of
 CC time), increased stability in solution, protection from proteolytic
 CC degradation, or reduced immunogenicity. In particular, the ability to
 CC remain in the vasculature for prolonged periods may allow a hedgehog
 CC protein of the invention to cross the blood-brain barrier, and an
 CC increased thermal stability would be an advantage when formulating the
 CC hedgehog protein in powder form. The present sequence represents a
 CC human Sonic hedgehog mutagenic primer used in an exemplification of the
 CC invention.
 XX
 SQ Sequence 42 BP; 8 A; 13 C; 9 G; 12 T; 0 other;
 Query Match 2.4%; Score 37.2; DB 1; Length 42;
 Best Local Similarity 92.9%; Pred. No. 0.59;
 Matches 39; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 338 GAAGGGAGATCTCCAGAACTCCGAGCGATTAAAGGAATC 379
 Db 42 GAAGGGAGATCTCCAGGTCTCCGAGCGATTAAAGGAATC 1
 RESULT 15
 AAF27036/c
 ID AAF27036 standard; DNA; 42 BP.
 XX
 AC AAF27036;
 XX
 DT 30-MAR-2001 (first entry)
 XX
 DE Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:40.
 XX
 KW Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;
 KW bioavailability; formulation; neurological disorder;
 KW inflammatory disorder; autoimmune disorder; cancer;
 KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;
 KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour;
 KW mutagenic primer; ss.
 XX
 OS Homo sapiens.
 OS Synthetic.
 XX
 PN WO200073337-A1.
 XX
 PD 07-DEC-2000.
 XX
 PF 26-MAY-2000; 2000WO-US14741.

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XX WPI; 2001-329075/34.
XX
XX Novel isolated hedgehog fusion polypeptide useful for treating
XX PT neurological conditions such as Alzheimer's disease, Parkinson's
XX PT disease, Huntington's chorea, amyotrophic lateral sclerosis, and
XX PT multiple sclerosis -
XX
XX Example 1; Page 62; 178pp; English.
XX
XX The present invention relates to hedgehog fusion proteins. Hedgehog
XX CC proteins are a family of extracellular signalling proteins that regulate
XX CC various aspects of embryonic development both in vertebrates and in
XX CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
XX CC treatment of any condition or disease state for which a hedgehog or
XX CC patched protein constituent is efficacious and in the diagnosis of
XX CC constituents or conditions of disease states in biological systems or
XX CC specimens and for diagnostic purposes in non-physiological conditions
XX CC Hedgehog fusion protein is useful for treating neurological conditions
XX CC due to injury, aging of nervous system, including Alzheimer's disease,
XX CC chronic neurodegenerative diseases of the nervous system, including
XX CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
XX CC and chronic immunological diseases of nervous system including multiple
XX CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
XX CC tumours and to specifically target medical therapies against cancers and
XX CC tumours which express the receptor for the protein. The present sequence
XX CC is human oligonucleotide HOG-808 used to construct pMMC22, pMMC25
XX CC and pMMC26 plasmids which are used in the invention.
XX
XX Sequence 43 BP; 8 A; 10 C; 14 G; 11 T; 0 other;
XX
Query Match 2.6%; Score 41.4; DB 1; Length 43;
Best Local Similarity 97.7%; Pred. No. 0.16;
Matches 42; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 278 GCCTACAGCAGTTTATCCCAATGTGGCGGAGAACCCCTAG 320
Db 43 GCCTACAGCAGTTTATCCCAATGTGGCGGAGAACCCCTAG 1

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PT Novel isolated hedgehog fusion polypeptide useful for treating
PT neurological conditions such as Alzheimer's disease, Parkinson's
PT disease, Huntington's chorea, amyotrophic lateral sclerosis, and
PT multiple sclerosis -
XX
XX Example 1; Page 62; 178pp; English.
XX
XX The present invention relates to hedgehog fusion proteins. Hedgehog
XX CC proteins are a family of extracellular signalling proteins that regulate
XX CC various aspects of embryonic development both in vertebrates and in
XX CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
XX CC treatment of any condition or disease state for which a hedgehog or
XX CC patched protein constituent is efficacious and in the diagnosis of
XX CC constituents or conditions of disease states in biological systems or
XX CC specimens and for diagnostic purposes in non-physiological conditions
XX CC Hedgehog fusion protein is useful for treating neurological conditions
XX CC due to injury, aging of nervous system, including Alzheimer's disease,
XX CC chronic neurodegenerative diseases of the nervous system, including
XX CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
XX CC and chronic immunological diseases of nervous system including multiple
XX CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
XX CC tumours and to specifically target medical therapies against cancers and
XX CC tumours which express the receptor for the protein. The present sequence
XX CC is human oligonucleotide HOG-797 used to construct pMMC23 plasmid which
XX CC is used in the invention.
XX
XX Sequence 47 BP; 9 A; 15 C; 20 G; 3 T; 0 other;
XX
Query Match 2.6%; Score 40.6; DB 1; Length 47;
Best Local Similarity 91.5%; Pred. No. 0.22;
Matches 43; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 225 GACCGGGCAGGGGTTCCGGAGAGAGGAGGACCCCAAAAAGCTGACC 271
Db 1 GCCCGGGCAGGGGTTCCGGAGAGAGGAGGACCCCAAAAAGCTGACC 47

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RESULT 13

AAD09075

ID AAD09075 standard; DNA; 47 BP.

XX AAD09075;

AC AAD09075;

XX 04-SEP-2001 (first entry)

DE Human oligonucleotide HOG-795 used to construct pMMC25 plasmid.

Human; hedgehog protein; nootropic; neuroprotective; anticonvulsant;
 cytosstatic; therapy; Alzheimer's disease; Parkinson's disease; injury;
 Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis;
 nervous system aging; neurodegenerative disease; immunological disease;
 malignant glioma; medulloblastoma; neuroectodermal tumour; cancer;
 extracellular signalling protein; HOG-795; ss.

OS Homo sapiens.

XX WO200134654-A1.

XX 17-MAY-2001.

XX 02-NOV-2000; 2000WO-US30405.

XX 05-NOV-1999; 99US-0164025.

XX (BIOJ) BIOGEN INC.

XX Strauch K;

XX WPI; 2001-329075/34.

Novel isolated hedgehog fusion polypeptide useful for treating
 PT neurological conditions such as Alzheimer's disease, Parkinson's
 PT disease, Huntington's chorea, amyotrophic lateral sclerosis, and
 PT

CC Hedgehog fusion protein is useful for treating neurological conditions
 CC due to injury, aging of nervous system, including Alzheimer's disease,
 CC chronic neurodegenerative diseases of the nervous system, including
 CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
 CC and chronic immunological diseases of nervous system including multiple
 CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
 CC tumours and to specifically target medical therapies against cancers and
 CC tumours which express the receptor for the protein. The present sequence
 CC is human oligonucleotide HOG-799 used to construct pMWC22, pMWC23, pMWC25
 CC and pMWC26 plasmids which are used in the invention.
 XX
 SQ Sequence 45 BP; 12 A; 14 C; 10 G; 9 T; 0 other;

Query Match 2.8%; Score 43.4; DB 1; Length 45;
 Best Local Similarity 97.8%; Pred. No. 0.086; 1; Indels 0; Gaps 0;
 Matches 44; Conservative 0; Mismatches 1;

QY 272 CCTTTAGCTACAGCAGTTTATCCCAATGTGCCGAGAGACC 316

Db 1 CCTTTAGCTACAGCAGTTTATCCCAAGTGCGCGAGAGACC 45

RESULT 8

ID AAF27031/c
 ID AAF27031 standard; DNA; 48 BP.

AC AAF27031;

XX 30-MAR-2001 (first entry)

XX Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:35.

XX Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;

KW bioavailability; formulation; neurological disorder;

KW inflammatory disorder; autoimmune disorder; cancer;

KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;

KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;

KW malignant glioma; medulloblastoma; neuroectodermal tumour;

KW mutagenic primer; ss.

XX Homo sapiens.

OS Synthetic.

XX WO2000073337-A1.

XX 07-DEC-2000.

XX 26-MAY-2000; 2000WO-US14741.

XX 01-JUN-1999; 99US-0137011.

XX 13-AUG-1999; 99US-0149016.

XX (BIOJ) BIOGEN INC.

XX Pepinsky RB, Taylor F, Garber E;

XX WPI; 2001-049927/06.

XX Modified hedgehog protein, useful in the treatment of Parkinson's

PT disease and Huntington's chorea, comprises a polymer containing a

PT polyalkylene glycol group linked to any residue other than the

PT N-terminal and lysine residues .

PS Example 6; Page 77; 157pp; English.

XX The invention relates to novel polymer conjugates of hedgehog proteins
 CC which have increased bioavailability. The hedgehog proteins are
 CC conjugated to a non-naturally-occurring polymer comprising a polyalkylene
 CC glycol group, with the proviso that the polymer is not conjugated to the
 CC N-terminus, or to lysine residues of the hedgehog protein. The hedgehog
 CC protein used in the conjugate may be a wild-type or mutant Sonic hedgehog
 CC (Shh), Indian hedgehog (Ihh) or Desert hedgehog (Dhh) protein, or may be
 CC a hedgehog fusion protein. The invention also relates to methods of

CC defining and mapping functionally important regions of a protein by
 CC modifying accessible amino acid side chains, and determining the effect
 CC the position and/or type of modification have on the activity of the
 CC protein. The hedgehog polymer conjugates may be used in the management of
 CC various medical conditions including various neurological disorders,
 CC inflammatory and autoimmune diseases, and cancers. In particular, they
 CC may be used to prevent preventing or ameliorate neurodegenerative
 CC disorders (e.g., Parkinson's disease, Huntington's disease, Alzheimer's
 CC disease); age-associated neurological disease; neurological injury and
 CC trauma; immunological diseases of the nervous system (e.g., multiple
 CC sclerosis); stroke; and malignant gliomas, medulloblastomas and
 CC neuroectodermal tumours. The modifications made to the hedgehog protein
 CC may result in increased half-life, altered tissue distribution (such as
 CC an improved ability to stay in the vasculature for longer periods of
 CC time), increased stability in solution, protection from proteolytic
 CC degradation, or reduced immunogenicity. In particular, the ability to
 CC remain in the vasculature for prolonged periods may allow a hedgehog
 CC protein of the invention to cross the blood-brain barrier, and an
 CC increased thermal stability would be an advantage when formulating the
 CC hedgehog protein in powder form. The present sequence represents a
 CC human Sonic hedgehog mutagenic primer used in an exemplification of the
 CC invention.

SQ Sequence 48 BP; 10 A; 13 C; 15 G; 10 T; 0 other;

Query Match 2.7%; Score 43.2; DB 1; Length 48;

Best Local Similarity 93.8%; Pred. No. 0.097; 3; Indels 0; Gaps 0;

Matches 45; Conservative 0; Mismatches 3;

QY 278 GCTTACAGCAGTTTATCCCAATGTGCCGAGAGACCCTAGGCGCC 325

Db 48 GCTTACAGCAGTTTATCCCTGTGTGTGAGAGACCCTAGGCGCC 1

RESULT 9

AAF27034/c

ID AAF27034 standard; DNA; 48 BP.

XX AAF27034;

XX 30-MAR-2001 (first entry)

XX Human Sonic hedgehog (Shh) mutagenic primer, SEQ ID NO:38.

XX Sonic hedgehog; Shh; polymer conjugate; polyalkene glycol group;

KW bioavailability; formulation; neurological disorder;

KW inflammatory disorder; autoimmune disorder; cancer;

KW neurodegenerative disorder; Parkinson's disease; Huntington's disease;

KW Alzheimer's disease; neurological injury; stroke; multiple sclerosis;

KW malignant glioma; medulloblastoma; neuroectodermal tumour;

XX mutagenic primer; ss.

XX Homo sapiens.

OS Synthetic.

XX WO2000073337-A1.

XX 07-DEC-2000.

XX 26-MAY-2000; 2000WO-US14741.

XX 01-JUN-1999; 99US-0137011.

XX 13-AUG-1999; 99US-0149016.

XX (BIOJ) BIOGEN INC.

XX Pepinsky RB, Taylor F, Garber E;

XX WPI; 2001-049927/06.

XX Modified hedgehog protein, useful in the treatment of Parkinson's
 PT disease and Huntington's chorea, comprises a polymer containing a
 PT polyalkylene glycol group linked to any residue other than the

CC various aspects of embryonic development both in vertebrates and in
 CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
 CC treatment of any condition or disease state for which a hedgehog or
 CC patched protein constituent is efficacious and in the diagnosis of
 CC constituents or conditions of disease states in biological systems or
 CC specimens and for diagnostic purposes in non-physiological conditions
 CC Hedgehog fusion protein is useful for treating neurological conditions
 CC due to injury, aging of nervous system, including Alzheimer's disease,
 CC chronic neurodegenerative diseases of the nervous system, including
 CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
 CC and chronic immunological diseases of nervous system including multiple
 CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
 CC tumours and to specifically target medical therapies against cancers and
 CC tumours which express the receptor for the protein. The present sequence
 CC is human oligonucleotide HOG-789 used to construct pMMC22 plasmid which
 CC is used in the invention.

SQ Sequence 47 BP; 13 A; 13 C; 18 G; 3 T; 0 other;
 Query Match 2.8%; Score 43.8; DB 1; Length 47;
 Best Local Similarity 95.7%; Pred. No. 0.079; 2; Indels 0; Gaps 0;
 Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 225 GACCGGCGAGGGGTTCCGGAGAGAGGAGGACCCCAAAAAGCTGACC 271
 Db 1 GCCCGGCGAGGGGTTCCGGAGAGAGGAGGACCCCAAAAAGCTGACC 47

RESULT 6
 AAD09074
 ID AAD09074 standard; DNA; 47 BP.
 XX
 AC AAD09074;
 XX
 DT 04-SEP-2001 (first entry)
 XX
 DE Human oligonucleotide HOG-791 used to construct pMMC23.
 XX
 KW Human; hedgehog protein; nontropic; neuroprotective; anticonvulsant;
 KW cytosolic; therapy; Alzheimer's disease; Parkinson's disease; injury;
 KW Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis;
 KW nervous system aging; neurodegenerative disease; immunological disease;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour; cancer;
 KW extracellular signalling protein; HOG-791; ss.

OS Homo sapiens.
 XX
 PN WO200134654-A1.
 XX
 PD 17-MAY-2001.
 XX
 PF 02-NOV-2000; 2000WO-US30405.
 XX
 PR 05-NOV-1999; 99US-0164025.
 XX
 PA (BIOJ) BIOGEN INC.
 XX
 PI Strauch K;
 XX
 DR WPI; 2001-329075/34.
 XX
 PT Novel isolated hedgehog fusion polypeptide useful for treating
 PT neurological conditions such as Alzheimer's disease, Parkinson's
 PT disease, Huntington's chorea, amyotrophic lateral sclerosis, and
 PT multiple sclerosis -

XX Example 1; Page 61-62; 178pp; English.
 PS
 CC The present invention relates to hedgehog fusion proteins. Hedgehog
 CC proteins are a family of extracellular signalling proteins that regulate
 CC various aspects of embryonic development both in vertebrates and in
 CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
 CC treatment of any condition or disease state for which a hedgehog or
 CC constituents or conditions of disease states in biological systems or
 CC specimens and for diagnostic purposes in non-physiological systems.

CC patched protein constituent is efficacious and in the diagnosis of
 CC constituents or conditions of disease states in biological system or
 CC specimens and for diagnostic purposes in non-physiological systems.
 CC Hedgehog fusion protein is useful for treating neurological conditions
 CC due to injury, aging of nervous system, including Alzheimer's disease,
 CC chronic neurodegenerative diseases of the nervous system, including
 CC Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis
 CC and chronic immunological diseases of nervous system including multiple
 CC sclerosis and malignant gliomas, medulloblastomas, neuroectodermal
 CC tumours and to specifically target medical therapies against cancers and
 CC tumours which express the receptor for the protein. The present sequence
 CC is human oligonucleotide HOG-791 used to construct pMMC23 plasmid which
 CC is used in the invention.

XX Sequence 47 BP; 11 A; 13 C; 20 G; 3 T; 0 other;

Query Match 2.8%; Score 43.8; DB 1; Length 47;
 Best Local Similarity 95.7%; Pred. No. 0.079; 2; Indels 0; Gaps 0;
 Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 225 GACCGGCGAGGGGTTCCGGAGAGAGGAGGACCCCAAAAAGCTGACC 271
 Db 1 GCCCGGCGAGGGGTTCCGGAGAGAGGAGGACCCCAAAAAGCTGACC 47

RESULT 7
 AAD09077
 ID AAD09077 standard; DNA; 45 BP.

XX
 AC AAD09077;
 XX
 DT 04-SEP-2001 (first entry)
 XX
 DE Human oligonucleotide HOG-799 used to construct pMMC22.

XX
 KW Human; hedgehog protein; nontropic; neuroprotective; anticonvulsant;
 KW cytosolic; therapy; Alzheimer's disease; Parkinson's disease; injury;
 KW Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis;
 KW nervous system aging; neurodegenerative disease; immunological disease;
 KW malignant glioma; medulloblastoma; neuroectodermal tumour; cancer;
 KW extracellular signalling protein; HOG-799; ss.

OS Homo sapiens.
 XX
 PN WO200134654-A1.
 XX
 PD 17-MAY-2001.

XX 02-NOV-2000; 2000WO-US30405.

XX 05-NOV-1999; 99US-0164025.

XX (BIOJ) BIOGEN INC.

XX Strauch K;

XX WPI; 2001-329075/34.

XX Novel isolated hedgehog fusion polypeptide useful for treating
 PT neurological conditions such as Alzheimer's disease, Parkinson's
 PT disease, Huntington's chorea, amyotrophic lateral sclerosis, and
 PT multiple sclerosis -

XX Example 1; Page 62; 178pp; English.

XX The present invention relates to hedgehog fusion proteins. Hedgehog
 CC proteins are a family of extracellular signalling proteins that regulate
 CC various aspects of embryonic development both in vertebrates and in
 CC invertebrates. Hedgehog fusion protein is useful for the prophylaxis or
 CC treatment of any condition or disease state for which a hedgehog or
 CC patched protein constituent is efficacious and in the diagnosis of
 CC constituents or conditions of disease states in biological system or
 CC specimens and for diagnostic purposes in non-physiological systems.

PT multiple sclerosis -

XX Example 1; Page 62; 178pp; English.

XX The present invention relates to hedgehog fusion proteins. Hedgehog proteins are a family of extracellular signalling proteins that regulate various aspects of embryonic development both in vertebrates and in invertebrates. Hedgehog fusion protein is useful for the prophylaxis or treatment of any condition or disease state for which a hedgehog or patched protein constituent is efficacious and in the diagnosis of or constituents or conditions of disease states in biological system or specimens and for diagnostic purposes in non-physiological systems. Hedgehog fusion protein is useful for treating neurological conditions due to injury, aging of nervous system, including Alzheimer's disease, Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis and chronic immunological diseases of nervous system including multiple sclerosis and malignant gliomas, medulloblastomas, neuroectodermal tumours and to specifically target medical therapies against cancers and tumours which express the receptor for the protein. The present sequence is human oligonucleotide HOG-804 used to construct pMWC3 plasmid which is used in the invention.

XX Sequence 50 BP; 6 A; 19 C; 13 G; 12 T; 0 other;

SQ Query Match 3.1%; Score 48.4; DB 1; Length 50; Best Local Similarity 98.0%; Pred. No. 0.019; Matches 49; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 228 CGGCGAGGGGTTTCGGGAAGAGGAGGACCCCAAAAGCTGACCCCTTTA 277

DB 50 CGGCGAGGGGTTTCGGGAAGAGGAGGACCCCAAAAGCTGACCCCTTTA 1

RESULT 4

AA09081/c

ID AAD09081 standard; DNA; 50 BP.

XX AAD09081;

AC AAD09081;

XX 04-SEP-2001 (first entry)

DE Human oligonucleotide HOG-807 used to construct pMWC36.

XX Human; hedgehog protein; nontropic; neuroprotective; anticonvulsant; cyostatic; therapy; Alzheimer's disease; Parkinson's disease; injury; Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis; nervous system aging; neurodegenerative disease; immunological disease; malignant glioma; medulloblastoma; neuroectodermal tumour; cancer; extracellular signalling protein; HOG-807; ss.

XX Homo sapiens.

OS WO200134654-A1.

XX 17-MAY-2001.

PD 17-MAY-2001.

XX 02-NOV-2000; 2000WO-US30405.

PF 05-NOV-1999; 99US-0164025.

PR (BIOJ) BIOGEN INC.

XX Strauch K;

PI WPI; 2001-329075/34.

XX Novel isolated hedgehog fusion polypeptide useful for treating neurological conditions such as Alzheimer's disease, Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis, and multiple sclerosis -

XX Example 1; Page 62; 178pp; English.

XX The present invention relates to hedgehog fusion proteins. Hedgehog proteins are a family of extracellular signalling proteins that regulate various aspects of embryonic development both in vertebrates and in invertebrates. Hedgehog fusion protein is useful for the prophylaxis or treatment of any condition or disease state for which a hedgehog or patched protein constituent is efficacious and in the diagnosis of or constituents or conditions of disease states in biological system or specimens and for diagnostic purposes in non-physiological systems. Hedgehog fusion protein is useful for treating neurological conditions due to injury, aging of nervous system, including Alzheimer's disease, Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis and chronic immunological diseases of nervous system including multiple sclerosis and malignant gliomas, medulloblastomas, neuroectodermal tumours and to specifically target medical therapies against cancers and tumours which express the receptor for the protein. The present sequence is human oligonucleotide HOG-807 used to construct pMWC26 plasmid which is used in the invention.

XX Sequence 50 BP; 6 A; 19 C; 15 G; 10 T; 0 other;

SQ Query Match 2.9%; Score 45.2; DB 1; Length 50; Best Local Similarity 94.0%; Pred. No. 0.053; Matches 47; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 228 CGGCGAGGGGTTTCGGGAAGAGGAGGACCCCAAAAGCTGACCCCTTTA 277

DB 50 CGGCGAGGGGTTTCGGGAAGAGGAGGACCCCAAAAGCTGACCCCTTTA 1

RESULT 5

AA09073

ID AAD09073 standard; DNA; 47 BP.

XX AAD09073;

AC AAD09073;

XX 04-SEP-2001 (first entry)

DE Human oligonucleotide HOG-789 used to construct pMWC22.

XX Human; hedgehog protein; nontropic; neuroprotective; anticonvulsant; cyostatic; therapy; Alzheimer's disease; Parkinson's disease; injury; Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis; nervous system aging; neurodegenerative disease; immunological disease; malignant glioma; medulloblastoma; neuroectodermal tumour; cancer; extracellular signalling protein; HOG-789; ss.

XX Homo sapiens.

OS WO200134654-A1.

XX 17-MAY-2001.

PD 02-NOV-2000; 2000WO-US30405.

PF 05-NOV-1999; 99US-0164025.

PR (BIOJ) BIOGEN INC.

XX Strauch K;

PI WPI; 2001-329075/34.

XX Novel isolated hedgehog fusion polypeptide useful for treating neurological conditions such as Alzheimer's disease, Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis, and multiple sclerosis -

XX Example 1; Page 61; 178pp; English.

XX The present invention relates to hedgehog fusion proteins. Hedgehog proteins are a family of extracellular signalling proteins that regulate

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OM nucleic - nucleic search, using sw model

Run on: December 23, 2003, 16:34:30 ; Search time 24 Seconds
(without alignments)
2.112 Million cell updates/sec

Title: us-10-001-844-3

Perfect score: 1576

Sequence: 1 gggagcagccgagggga.....ggggggcgagggggggcc 1576

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 844 seqs, 16078 residues

Total number of hits satisfying chosen parameters: 1688

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 70 summaries

Database : rng.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	50	3.2	50	1	Human oligonucleot
C 2	48.4	3.1	50	1	Human oligonucleot
C 3	48.4	3.1	50	1	Human oligonucleot
C 4	45.2	2.9	50	1	Human oligonucleot
C 5	43.8	2.8	47	1	Human oligonucleot
C 6	43.8	2.8	47	1	Human oligonucleot
C 7	43.4	2.8	45	1	Human oligonucleot
C 8	43.2	2.7	48	1	Human Sonic hedgeh
C 9	43.2	2.7	48	1	Human Sonic hedgeh
C 10	42	2.7	50	1	Human oligonucleot
C 11	41.4	2.6	43	1	Human oligonucleot
C 12	40.6	2.6	47	1	Human oligonucleot
C 13	37.4	2.4	47	1	Human oligonucleot
C 14	37.2	2.4	42	1	Human Sonic hedgeh
C 15	37.2	2.4	42	1	Human Sonic hedgeh
C 16	36.4	2.3	38	1	Human Sonic hedgeh
C 17	36	2.3	49	1	Human Sonic hedgeh
C 18	35.8	2.3	39	1	Human Sonic hedgeh
C 19	35.6	2.3	42	1	Human Sonic hedgeh
C 20	33.8	2.1	37	1	Human Sonic hedgeh
C 21	33.4	2.1	35	1	Human Sonic hedgeh
C 22	32.2	2.0	37	1	Human Sonic hedgeh
C 23	27	1.7	27	1	Human SHH gene PCR
C 24	25	1.6	33	1	Crohn's disease/ul
C 25	24	1.5	24	1	Human sonic hedgeh
C 26	24	1.5	24	1	Human sonic hedgeh
C 27	24	1.5	24	1	Human Shh DNA ampl
C 28	24	1.5	24	1	Human Sonic hedgeh
C 29	24	1.5	24	1	PCR primer for cDN
C 30	24	1.5	24	1	Human sonic hedgeh
C 31	23.4	1.5	24	1	Human mutated soni
C 32	23.4	1.5	33	1	Human Sonic hedgeh
C 33	23.2	1.5	28	1	Mouse Shh probe.

34	22.6	1.4	30	1	ABX80007
35	22.4	1.4	32	1	ABK10414
36	22	1.4	22	1	ABSS55998
37	22	1.4	24	1	ABT03767
38	22	1.4	29	1	AA28861
39	22	1.4	29	1	AA28861
40	22	1.4	29	1	AA28861
41	22	1.4	29	1	AA28861
42	21.4	1.4	30	1	ABK92777
43	21.4	1.4	24	1	AA28861
44	20.2	1.3	26	1	ABSS55999
45	20	1.3	20	1	AA28861
46	19.2	1.2	24	1	AA28861
47	18.2	1.2	24	1	AA28861
48	19.2	1.2	24	1	AA28861
49	19.2	1.2	24	1	AA28861
50	19	1.2	19	1	AA28861
51	19	1.2	19	1	AA28861
52	19	1.2	19	1	AA28861
53	19	1.2	19	1	AA28861
54	18.6	1.2	25	1	AA28861
55	18.6	1.2	25	1	AA28861
56	18.6	1.2	25	1	AA28861
57	18.4	1.2	20	1	AA28861
58	18.4	1.2	20	1	AA28861
59	18.2	1.2	24	1	AA28861
60	18.2	1.2	25	1	AA28861
61	18	1.1	18	1	AA28861
62	17.8	1.1	21	1	AA28861
63	17.8	1.1	21	1	AA28861
64	17.8	1.1	21	1	AA28861
65	17.6	1.1	25	1	AA28861
66	17.2	1.1	22	1	AA28861
67	17.2	1.1	24	1	AA28861
68	17.2	1.1	24	1	AA28861
69	17.2	1.1	24	1	AA28861
70	17.2	1.1	24	1	AA28861

ALIGNMENTS

RESULT 1

AA28861/7/c

ID AA28861 standard; DNA; 50 BP.

XX AA28861

XX AA28861

DT 04-SEP-2001. (first entry)

XX Human oligonucleotide HOG-403 used to construct pKS285.

Human; hedgehog protein; nontropic; neuroprotective; anticonvulsant; cytoskeletal; therapy; Alzheimer's disease; Parkinson's disease; injury; Huntington's chorea; amyotrophic lateral sclerosis; multiple sclerosis; nervous system aging; neurodegenerative disease; immunological disease; malignant glioma; medulloblastoma; neuroectodermal tumour; cancer; extracellular signalling protein; HOG-403; ss.

OS Homo sapiens.

XX WO200134654-A1.

XX 17-MAY-2001.

XX 02-NOV-2000; 2000WO-US30405.

XX 05-NOV-1999; 99US-0164025.

XX (BIOJ) BIOGEN INC.

XX Strauch K;

XX

107 14.4 0.9 20 1 US-09-593-711A-37
C 108 14.4 0.9 20 1 US-09-593-711A-127
C 109 14.4 0.9 20 1 US-09-593-711A-128
C 110 14.4 0.9 20 1 US-09-702-246-11
C 111 14.2 0.9 19 1 US-08-860-638A-12
C 112 14.2 0.9 19 1 US-08-348-548-106
C 113 14.2 0.9 19 1 US-08-381-476-12
C 114 14.2 0.9 19 1 PCT-US95-15716-106
C 115 14.2 0.9 20 1 US-07-626-618A-10
C 116 14.2 0.9 20 1 US-08-136-811-23
C 117 14.2 0.9 20 1 US-08-136-842-62
C 118 14.2 0.9 20 1 US-08-319-842-95
C 119 14.2 0.9 20 1 US-08-333-977-10
C 120 14.2 0.9 20 1 US-08-307-431-35
C 121 14.2 0.9 20 1 US-08-451-096-62
C 122 14.2 0.9 20 1 US-08-451-096-95
C 123 14.2 0.9 20 1 US-08-835-770-23
C 124 14.2 0.9 20 1 US-08-828-731-23
C 125 14.2 0.9 20 1 US-08-609-443B-45
C 126 14.2 0.9 20 1 US-08-888-940-12
C 127 14.2 0.9 20 1 US-08-823-355-23
C 128 14.2 0.9 20 1 US-08-470-426B-30
C 129 14.2 0.9 20 1 US-08-887-365-17
C 130 14.2 0.9 20 1 US-08-889-296A-20
C 131 14.2 0.9 20 1 US-08-802-655A-35
C 132 14.2 0.9 20 1 US-08-848-840A-20
C 133 14.2 0.9 20 1 US-08-874-186-48
C 134 14.2 0.9 20 1 US-09-366-257-27
C 135 14.2 0.9 20 1 US-09-116-622-35
C 136 14.2 0.9 20 1 US-08-561-469A-28
C 137 14.2 0.9 20 1 US-09-128-494-20
C 138 14.2 0.9 20 1 US-09-435-296-56
C 139 14.2 0.9 20 1 US-09-280-805-42
C 140 14.2 0.9 20 1 US-09-517-584B-19
C 141 14.2 0.9 20 1 US-09-219-277-35
C 142 14.2 0.9 20 1 US-08-983-466-29
C 143 14.2 0.9 20 1 US-09-599-661-35
C 144 14.2 0.9 20 1 US-09-467-082-13
C 145 14.2 0.9 20 1 US-09-467-082-22
C 146 14.2 0.9 20 1 US-09-326-186B-154
C 147 14.2 0.9 20 1 US-08-951-896-45
C 148 14.2 0.9 20 1 US-09-448-386-20
C 149 14.2 0.9 20 1 US-09-561-497-34
C 150 14.2 0.9 20 1 US-09-742-703-32
C 151 14.2 0.9 20 1 US-09-920-663-12
C 152 14.2 0.9 20 1 US-09-907-843-23
C 153 14.2 0.9 20 1 US-09-485-077A-2
C 154 14.2 0.9 20 1 US-09-657-346A-11
C 155 14.2 0.9 20 1 US-08-922-146-25
C 156 14.2 0.9 15 1 US-08-585-684B-50
C 157 14.2 0.9 15 1 US-09-377-310-37
C 158 14.2 0.9 15 1 US-09-038-073-50
C 159 14.2 0.9 18 1 US-08-627-254C-12
C 160 14.2 0.9 18 1 US-08-912-129A-77
C 161 14.2 0.9 19 1 US-08-981-321-6
C 162 14.2 0.9 19 1 US-09-578-634A-1
C 163 14.2 0.9 20 1 US-08-837-201C-5
C 164 14.2 0.9 20 1 US-09-377-310-17
C 165 14.2 0.9 20 1 US-09-484-617-41
C 166 14.2 0.9 20 1 US-09-484-617-41
C 167 14.2 0.9 20 1 US-09-364-416-5
C 168 14.2 0.9 20 1 US-09-422-978-8409
C 169 13.8 0.9 17 1 US-08-379-078-457
C 170 13.8 0.9 17 1 US-07-974-409C-70
C 171 13.8 0.9 17 1 US-07-974-409C-71
C 172 13.8 0.9 17 1 US-08-584-040-5562
C 173 13.8 0.9 17 1 US-09-673-809-86
C 174 13.8 0.9 17 1 US-09-435-327A-16
C 175 13.8 0.9 17 1 US-09-371-772B-2452
C 176 13.8 0.9 17 1 PCT-US93-00977-70
C 177 13.8 0.9 17 1 PCT-US93-00977-71
C 178 13.8 0.9 17 1 US-08-348-848-56
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253	13.2	0.8	18	1	US-08-481-876-5	Sequence 5, Appli	326	12.8	0.8	17	1	US-08-584-040-3971	Sequence 3971, Ap
c 254	13.2	0.8	18	1	US-08-885-126-12	Sequence 12, Appl	c 327	12.8	0.8	17	1	US-08-584-040-7869	Sequence 7869, Ap
c 255	13.2	0.8	18	1	US-08-486-307-7	Sequence 7, Appli	c 328	12.8	0.8	17	1	US-09-220-510B-1	Sequence 1, Appli
c 256	13.2	0.8	18	1	US-08-486-307-8	Sequence 8, Appli	c 329	12.8	0.8	17	1	US-09-343-698-2	Sequence 2, Appli
c 257	13.2	0.8	18	1	US-09-205-860-14	Sequence 14, Appl	c 330	12.8	0.8	17	1	US-09-474-432B-592	Sequence 592, App
c 258	13.2	0.8	18	1	US-09-205-921-34	Sequence 34, Appl	c 331	12.8	0.8	17	1	US-09-474-432B-815	Sequence 815, App
c 259	13.2	0.8	18	1	US-09-289-376-9	Sequence 9, Appli	c 332	12.8	0.8	17	1	US-09-371-772B-7	Sequence 7, Appli
c 260	13.2	0.8	18	1	US-09-289-376-30	Sequence 30, Appl	c 333	12.8	0.8	17	1	US-09-371-772B-674	Sequence 674, App
c 261	13.2	0.8	18	1	US-09-185-437-5	Sequence 5, Appli	c 334	12.8	0.8	17	1	US-09-371-772B-1738	Sequence 1738, Ap
c 262	13.2	0.8	18	1	US-08-479-795-7	Sequence 7, Appli	c 335	12.8	0.8	17	1	US-09-371-772B-3652	Sequence 3652, Ap
c 263	13.2	0.8	18	1	US-08-479-795-8	Sequence 8, Appli	c 336	12.8	0.8	17	1	US-09-371-772B-4170	Sequence 4170, Ap
c 264	13.2	0.8	18	1	US-09-143-212-44	Sequence 44, Appl	c 337	12.8	0.8	17	1	US-09-371-772B-5005	Sequence 5005, Ap
c 265	13.2	0.8	18	1	US-08-987-574-42	Sequence 42, Appl	c 338	12.8	0.8	17	1	US-09-371-772B-5006	Sequence 5006, Ap
c 266	13.2	0.8	18	1	US-08-987-574-43	Sequence 43, Appl	c 339	12.8	0.8	17	1	US-09-371-772B-5007	Sequence 5007, Ap
c 267	13.2	0.8	18	1	US-08-652-425-3	Sequence 3, Appli	c 340	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 268	13.2	0.8	18	1	US-08-533-168-42	Sequence 42, Appl	c 341	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 269	13.2	0.8	18	1	US-08-533-168-43	Sequence 43, Appl	c 342	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 270	13.2	0.8	18	1	US-08-533-168-43	Sequence 43, Appl	c 343	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 271	13.2	0.8	18	1	US-08-849-488-11	Sequence 11, Appl	c 344	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 272	13.2	0.8	18	1	US-09-195-940-15	Sequence 15, Appl	c 345	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 273	13.2	0.8	18	1	US-09-437-076-3	Sequence 3, Appli	c 346	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 274	13.2	0.8	18	1	US-09-437-076-4	Sequence 4, Appli	c 347	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 275	13.2	0.8	18	1	US-08-885-366-10	Sequence 10, Appl	c 348	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 276	13.2	0.8	18	1	US-09-011-974-42	Sequence 42, Appl	c 349	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 277	13.2	0.8	18	1	US-09-011-974-43	Sequence 43, Appl	c 350	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 278	13.2	0.8	18	1	US-08-484-406-7	Sequence 7, Appli	c 351	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 279	13.2	0.8	18	1	US-08-484-406-8	Sequence 8, Appli	c 352	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 280	13.2	0.8	18	1	US-08-700-530-4	Sequence 4, Appli	c 353	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 281	13.2	0.8	18	1	US-08-682-255A-42	Sequence 42, Appl	c 354	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 282	13.2	0.8	18	1	US-08-682-255A-43	Sequence 43, Appl	c 355	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 283	13.2	0.8	18	1	US-09-423-130-42	Sequence 42, Appl	c 356	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 284	13.2	0.8	18	1	US-09-423-130-43	Sequence 43, Appl	c 357	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 285	13.2	0.8	18	1	US-09-562-466-15	Sequence 15, Appl	c 358	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 286	13.2	0.8	18	1	US-08-484-203-7	Sequence 7, Appli	c 359	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 287	13.2	0.8	18	1	US-08-484-203-8	Sequence 8, Appli	c 360	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 288	13.2	0.8	18	1	US-08-486-313-7	Sequence 7, Appli	c 361	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 289	13.2	0.8	18	1	US-08-486-313-8	Sequence 8, Appli	c 362	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 290	13.2	0.8	18	1	US-09-423-978-574	Sequence 574, Ap	c 363	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 291	13.2	0.8	18	1	US-09-423-978-9862	Sequence 9862, Ap	c 364	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 292	13.2	0.8	18	1	US-09-679-298A-25	Sequence 25, Appl	c 365	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 293	13.2	0.8	18	1	PCT-US93-04754-10	Sequence 10, Appl	c 366	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 294	13.2	0.8	18	1	PCT-US96-11786-42	Sequence 42, Appl	c 367	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 295	13.2	0.8	18	1	PCT-US96-11786-43	Sequence 43, Appl	c 368	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 296	13	0.8	13	1	US-08-623-891-23	Sequence 23, Appl	c 369	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 297	13	0.8	13	1	US-09-340-861-23	Sequence 23, Appl	c 370	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 298	13	0.8	13	1	US-09-634-262-23	Sequence 23, Appl	c 371	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 299	13	0.8	18	1	US-09-205-860-11	Sequence 11, Appl	c 372	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 300	13	0.8	18	1	US-09-344-579-42	Sequence 42, Appl	c 373	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 301	13	0.8	18	1	US-09-422-978-5498	Sequence 5498, Ap	c 374	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 302	12.8	0.8	16	1	US-08-181-664-18	Sequence 18, Appl	c 375	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 303	12.8	0.8	16	1	US-09-371-772B-5649	Sequence 5649, Ap	c 376	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 304	12.8	0.8	17	1	US-08-064-400B-14	Sequence 14, Appl	c 377	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 305	12.8	0.8	17	1	US-08-281-940-15	Sequence 15, Appl	c 378	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 306	12.8	0.8	17	1	US-08-281-940-32	Sequence 32, Appl	c 379	12.8	0.8	17	1	US-09-371-772B-5384	Sequence 5384, Ap
c 307	12.8	0.8	17	1	US-08-379-078-459	Sequence 459, App	c 380	12.4	0.8	15	1	US-08-985-123-5	Sequence 5, Appli
c 308	12.8	0.8	17	1	US-08-486-408-4	Sequence 4, Appli	c 381	12.4	0.8	15	1	US-08-985-123-5	Sequence 5, Appli
c 309	12.8	0.8	17	1	US-08-758-308-795	Sequence 795, App	c 382	12.4	0.8	15	1	US-07-997-455-4	Sequence 4, Appli
c 310	12.8	0.8	17	1	US-08-710-134-15	Sequence 15, Appl	c 383	12.4	0.8	15	1	US-08-153-051B-52	Sequence 52, Appl
c 311	12.8	0.8	17	1	US-08-710-134-32	Sequence 32, Appl	c 384	12.4	0.8	15	1	US-08-291-932A-266	Sequence 266, App
c 312	12.8	0.8	17	1	US-08-485-885-15	Sequence 15, Appl	c 385	12.4	0.8	15	1	US-08-060-9520-51	Sequence 51, Appl
c 313	12.8	0.8	17	1	US-08-485-885-32	Sequence 32, Appl	c 386	12.4	0.8	15	1	US-08-363-240A-139	Sequence 139, App
c 314	12.8	0.8	17	1	US-08-975-570-4	Sequence 4, Appli	c 387	12.4	0.8	15	1	US-08-363-240A-140	Sequence 140, App
c 315	12.8	0.8	17	1	US-08-665-259-42	Sequence 42, Appl	c 388	12.4	0.8	15	1	US-08-311-486C-58	Sequence 58, Appl
c 316	12.8	0.8	17	1	US-08-665-259-55	Sequence 55, Appl	c 389	12.4	0.8	15	1	US-08-151-477A-52	Sequence 52, Appl
c 317	12.8	0.8	17	1	US-08-762-500-42	Sequence 42, Appl	c 390	12.4	0.8	15	1	US-08-585-684B-78	Sequence 48, Appl
c 318	12.8	0.8	17	1	US-08-762-500-55	Sequence 55, Appl	c 391	12.4	0.8	15	1	US-08-819-867-49	Sequence 49, Appl
c 319	12.8	0.8	17	1	US-08-998-099-32	Sequence 32, Appl	c 392	12.4	0.8	15	1	US-09-038-073-48	Sequence 48, Appl
c 320	12.8	0.8	17	1	US-08-998-099-49	Sequence 49, Appl	c 393	12.4	0.8	15	1	US-09-081-646-627	Sequence 627, App
c 321	12.8	0.8	17	1	US-09-324-867-54	Sequence 54, Appl	c 394	12.4	0.8	15	1	US-08-464-011B-51	Sequence 51, Appl
c 322	12.8	0.8	17	1	US-07-974-409C-72	Sequence 72, Appl	c 395	12.4	0.8	16	1	US-09-378-535-79	Sequence 79, Appl
c 323	12.8	0.8	17	1	US-09-364-707A-5	Sequence 6, Appli	c 396	12.4	0.8	16	1	US-07-991-199D-8	Sequence 8, Appli
c 324	12.8	0.8	17	1	US-08-584-040-1462	Sequence 1462, Ap	c 397	12.4	0.8	16	1	US-08-311-760A-349	Sequence 349, App
c 325	12.8	0.8	17	1	US-08-584-040-2129	Sequence 2129, Ap	c 398	12.4	0.8	16	1	US-07-789-738-1	Sequence 1, Appli
												US-08-774-310-349	Sequence 349, App

C 399	12.4	0.8	16	1	PCT-US93-12246-8	Sequence 8, Appli	C 472	12.2	0.8	17	1	US-08-679-645-220	Sequence 220, App
C 400	12.4	0.8	17	1	US-08-271-3428-77	Sequence 77, Appli	473	12.2	0.8	17	1	US-08-679-645-592	Sequence 632, App
C 401	12.4	0.8	17	1	US-08-196-218-8	Sequence 8, Appli	C 474	12.2	0.8	17	1	US-09-429-130-79	Sequence 79, Appli
C 402	12.4	0.8	17	1	US-08-196-218-9	Sequence 9, Appli	C 475	12.2	0.8	17	1	US-09-340-861-30	Sequence 30, Appli
C 403	12.4	0.8	17	1	US-08-681-953-8	Sequence 8, Appli	C 476	12.2	0.8	17	1	US-08-634-262-30	Sequence 30, Appli
C 404	12.4	0.8	17	1	US-08-681-953-9	Sequence 9, Appli	C 477	12.2	0.8	17	1	US-09-343-698-1	Sequence 1, Appli
C 405	12.4	0.8	17	1	US-08-168-068-11	Sequence 11, Appli	C 478	12.2	0.8	17	1	US-08-912-951-245	Sequence 245, App
C 406	12.4	0.8	17	1	US-08-485-689-27	Sequence 27, Appli	C 479	12.2	0.8	17	1	US-08-474-432B-319	Sequence 319, App
C 407	12.4	0.8	17	1	US-08-476-021A-27	Sequence 27, Appli	480	12.2	0.8	17	1	US-08-474-432B-377	Sequence 377, App
C 408	12.4	0.8	17	1	US-08-478-608B-27	Sequence 27, Appli	C 481	12.2	0.8	17	1	US-09-474-432B-672	Sequence 672, App
C 409	12.4	0.8	17	1	US-08-849-021-16	Sequence 16, Appli	C 482	12.2	0.8	17	1	US-09-474-432B-689	Sequence 689, App
C 410	12.4	0.8	17	1	US-08-460-890A-8	Sequence 8, Appli	C 483	12.2	0.8	17	1	US-09-371-772B-16	Sequence 16, Appli
C 411	12.4	0.8	17	1	US-08-167-641C-8	Sequence 8, Appli	C 484	12.2	0.8	17	1	US-09-371-772B-1739	Sequence 1739, App
C 412	12.4	0.8	17	1	US-08-985-162-220	Sequence 220, App	C 485	12.2	0.8	17	1	US-09-371-772B-1764	Sequence 1764, App
C 413	12.4	0.8	17	1	US-08-985-162-221	Sequence 221, App	C 486	12.2	0.8	17	1	US-09-371-772B-1842	Sequence 1842, App
C 414	12.4	0.8	17	1	US-08-779-916A-77	Sequence 77, Appli	C 487	12.2	0.8	17	1	US-09-371-772B-3046	Sequence 3046, App
C 415	12.4	0.8	17	1	US-08-998-099-10	Sequence 10, Appli	C 488	12.2	0.8	17	1	US-09-371-772B-4189	Sequence 4189, App
C 416	12.4	0.8	17	1	US-08-998-099-47	Sequence 47, Appli	C 489	12.2	0.8	17	1	US-09-371-772B-4192	Sequence 4192, App
C 417	12.4	0.8	17	1	US-08-998-099-48	Sequence 48, Appli	C 490	12.2	0.8	17	1	US-09-371-772B-4560	Sequence 4560, App
C 418	12.4	0.8	17	1	US-08-998-099-48	Sequence 75, Appli	C 491	12.2	0.8	17	1	US-09-371-772B-4561	Sequence 4561, App
C 419	12.4	0.8	17	1	US-08-998-099-75	Sequence 120, App	C 492	12.2	0.8	17	1	US-09-371-772B-4608	Sequence 4608, App
C 420	12.4	0.8	17	1	US-08-998-099-120	Sequence 8, Appli	C 493	12.2	0.8	20	1	US-08-136-811-23	Sequence 23, Appli
C 421	12.4	0.8	17	1	US-08-460-971A-8	Sequence 8, Appli	C 494	12.2	0.8	20	1	US-08-835-770-23	Sequence 23, Appli
C 422	12.4	0.8	17	1	US-08-462-040-8	Sequence 8, Appli	C 495	12.2	0.8	20	1	US-08-835-770-23	Sequence 23, Appli
C 423	12.4	0.8	17	1	US-08-476-423A-27	Sequence 27, Appli	C 496	12.2	0.8	20	1	US-08-634-262-42	Sequence 42, Appli
C 424	12.4	0.8	17	1	US-08-584-040-5410	Sequence 5410, App	C 500	12.2	0.8	13	1	US-08-634-262-42	Sequence 42, Appli
C 425	12.4	0.8	17	1	US-09-474-432B-599	Sequence 599, App	C 501	12.2	0.8	13	1	US-08-634-262-42	Sequence 42, Appli
C 426	12.4	0.8	17	1	US-09-474-432B-697	Sequence 697, App	C 502	12.2	0.8	13	1	US-08-634-262-42	Sequence 42, Appli
C 427	12.4	0.8	17	1	US-09-474-432B-758	Sequence 758, App	C 503	12.2	0.8	13	1	US-08-634-262-42	Sequence 42, Appli
C 428	12.4	0.8	17	1	US-09-474-432B-818	Sequence 818, App	C 504	12.2	0.8	14	1	US-08-985-162-1759	Sequence 1759, App
C 429	12.4	0.8	17	1	US-09-371-772B-2309	Sequence 2309, App	C 505	12.2	0.8	14	1	US-08-985-162-1760	Sequence 1760, App
C 430	12.4	0.8	17	1	US-09-371-772B-4193	Sequence 4193, App	C 506	12.2	0.8	15	1	US-08-319-492B-57	Sequence 57, Appli
C 431	12.4	0.8	17	1	US-09-371-772B-4965	Sequence 4965, App	C 507	12.2	0.8	15	1	US-08-319-492B-58	Sequence 58, Appli
C 432	12.4	0.8	17	1	US-09-371-772B-4966	Sequence 4966, App	C 508	12.2	0.8	15	1	US-08-929-856-57	Sequence 57, Appli
C 433	12.4	0.8	17	1	US-09-371-772B-6383	Sequence 6383, App	C 509	12.2	0.8	15	1	US-09-275-850-25	Sequence 25, Appli
C 434	12.4	0.8	17	1	PCT-US95-08604-77	Sequence 77, Appli	C 510	12.2	0.8	15	1	US-08-081-646-571	Sequence 571, App
C 435	12.4	0.8	30	1	US-08-068-747-2	Sequence 2, Appli	C 511	12.2	0.8	15	1	US-08-344-667-9	Sequence 9, Appli
C 436	12.2	0.8	17	1	US-08-127-954-8	Sequence 8, Appli	C 512	12.2	0.8	15	1	US-09-693-352-9	Sequence 9, Appli
C 437	12.2	0.8	17	1	US-08-136-538-15	Sequence 15, Appli	C 513	12.2	0.8	15	1	US-09-565-063-6	Sequence 6, Appli
C 438	12.2	0.8	17	1	US-08-233-030-48	Sequence 48, Appli	C 514	12.2	0.8	15	1	US-09-693-005A-9	Sequence 9, Appli
C 439	12.2	0.8	17	1	US-08-373-124A-1477	Sequence 1477, App	C 515	12.2	0.8	15	1	US-09-603-830-9	Sequence 9, Appli
C 440	12.2	0.8	17	1	US-08-530-492-57	Sequence 57, Appli	C 516	12.2	0.8	15	1	US-09-976-978A-9	Sequence 9, Appli
C 441	12.2	0.8	17	1	US-08-623-891-30	Sequence 30, Appli	C 517	12.2	0.8	15	1	US-09-961-949A-9	Sequence 9, Appli
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C 443	12.2	0.8	17	1	US-08-758-306-455	Sequence 455, App	C 519	12.2	0.8	17	1	US-08-152-313-20	Sequence 20, Appli
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C 445	12.2	0.8	17	1	US-08-758-306-459	Sequence 459, App	C 521	12.2	0.8	17	1	US-08-584-040-3970	Sequence 3970, App
C 446	12.2	0.8	17	1	US-08-758-306-463	Sequence 463, App	C 522	12.2	0.8	17	1	US-08-584-040-7583	Sequence 7583, App
C 447	12.2	0.8	17	1	US-08-758-306-811	Sequence 811, App	C 523	12.2	0.8	17	1	US-08-584-040-7584	Sequence 7584, App
C 448	12.2	0.8	17	1	US-08-435-628-1477	Sequence 1477, App	C 524	12.2	0.8	17	1	US-08-679-645-829	Sequence 829, App
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C 450	12.2	0.8	17	1	US-08-849-021-3	Sequence 3, Appli	C 526	12.2	0.8	17	1	US-09-474-432B-878	Sequence 878, App
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C 453	12.2	0.8	17	1	US-08-849-021-6	Sequence 6, Appli	C 529	12.2	0.8	17	1	US-09-371-772B-3380	Sequence 3380, App
C 454	12.2	0.8	17	1	US-08-985-162-553	Sequence 553, App	C 530	12.2	0.8	17	1	PCT-US94-12947A-20	Sequence 20, Appli
C 455	12.2	0.8	17	1	US-08-985-162-554	Sequence 554, App	C 531	12.2	0.8	30	1	US-09-475-947A-332	Sequence 332, App
C 456	12.2	0.8	17	1	US-08-388-029A-4	Sequence 4, Appli	C 532	11.8	0.7	15	1	US-08-182-968A-375	Sequence 375, App
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C 459	12.2	0.8	17	1	US-09-040-774-8	Sequence 4, Appli	C 535	11.8	0.7	15	1	US-08-363-240A-199	Sequence 199, App
C 460	12.2	0.8	17	1	US-08-324-867-61	Sequence 61, Appli	C 536	11.8	0.7	15	1	US-08-363-240A-647	Sequence 647, App
C 461	12.2	0.8	17	1	US-08-861-450A-6	Sequence 6, Appli	C 537	11.8	0.7	15	1	US-08-363-240A-648	Sequence 648, App
C 462	12.2	0.8	17	1	US-09-017-974-79	Sequence 79, Appli	C 538	11.8	0.7	15	1	US-08-363-240A-648	Sequence 648, App
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C 464	12.2	0.8	17	1	US-08-584-040-1471	Sequence 1471, App	C 540	11.8	0.7	15	1	US-08-363-240A-660	Sequence 660, App
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C 467	12.2	0.8	17	1	US-08-584-040-4075	Sequence 4075, App	C 543	11.8	0.7	15	1	US-08-311-486C-675	Sequence 675, App
C 468	12.2	0.8	17	1	US-08-584-040-7232	Sequence 7232, App	C 544	11.8	0.7	15	1	US-08-292-630A-200	Sequence 200, App
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C 470	12.2	0.8	17	1	US-08-679-645-218	Sequence 218, App							
C 471	12.2	0.8	17	1	US-08-679-645-220	Sequence 220, App							

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593 11.8 0.7 15 1 US-09-411-862A-22
594 11.8 0.7 15 1 US-09-732-990-5
595 11.8 0.7 15 1 US-09-270-956-52
596 11.8 0.7 15 1 US-09-378-900A-42
597 11.8 0.7 15 1 US-09-899-044-42
598 11.8 0.7 15 1 US-09-371-772B-5646
599 11.8 0.7 15 1 US-09-371-772B-5650
600 11.8 0.7 15 1 US-09-371-772B-5656
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602 11.8 0.7 15 1 US-09-371-772B-6069
603 11.8 0.7 15 1 US-09-371-772B-6070
604 11.8 0.7 15 1 US-09-371-772B-6071
605 11.8 0.7 15 1 US-09-371-772B-6072

ALIGNMENTS

RESULT 1
US-09-325-256-31/c
; Sequence 31, Application US/09325256
; Patent No. 6444793
; GENERAL INFORMATION:
; APPLICANT: PEPINSKY, R. BLAKE
; APPLICANT: BAKER, DARREN P.

; APPLICANT: WEN, DINGYI
; APPLICANT: WILLIAMS, KEVIN P.
; APPLICANT: GARGER, ELLEN A.
; APPLICANT: TAYLOR, FREDERICK R.
; APPLICANT: GALDES, ALPHONSE
; APPLICANT: PORTER, JEFFREY
; TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; FILE REFERENCE: Biv-067 01
; CURRENT APPLICATION NUMBER: US/09/325,256
; CURRENT FILING DATE: 1999-06-03
; PRIOR APPLICATION NUMBER: 60/099,800
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/078,935
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/089,685
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/067,423
; PRIOR FILING DATE: 1997-12-03
; PRIOR APPLICATION NUMBER: PCT/US98/25676
; PRIOR FILING DATE: 1998-12-03
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 49
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-325-256-31

Query Match 2.3%; Score 36; DB 1; Length 49;
Best Local Similarity 88.8%; Pred. No. 0.073;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Db 49 GGTGAAGCAGAGAACTCGTGGCGCCCAATCGGAGGCTGT 6
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RESULT 2
US-08-068-747-7
; Sequence 7, Application US/08068747
; Patent No. 5695933
; GENERAL INFORMATION:
; APPLICANT: Schalling, Martin
; APPLICANT: Hudson, Thomas J.
; APPLICANT: Housman, David E.
; TITLE OF INVENTION: Direct Determination of Expanded
; TITLE OF INVENTION: Nucleotide Repeats in the Human Genome
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/068,747
; FILING DATE: 28-MAY-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: MIT-6141
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240

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; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Synthetic"
US-08-068-747-7

Query Match 1.6%; Score 25; DB 1; Length 33;
Best Local Similarity 84.8%; Pred. No. 4.7;
Matches 28; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1351 CAGCGCGCGCGGACCGCGCGCGCGCGCGG 1383
DB 1 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 33

RESULT 3
US-08-748-591-11
; Sequence 11, Application US/08748591
; Patent No. 5759811
; GENERAL INFORMATION:
; APPLICANT: Epstein, Ervin
; APPLICANT: Hu, Zhilan
; APPLICANT: Bonifas, Jeanette
; TITLE OF INVENTION: Mutant Human Hedgehog Gene
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish and Richardson
; STREET: 2200 Sand Hill Road
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/748,591
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: 06510/067001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 322-5070
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-748-591-11

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCC 547
DB 1 ACCGAGGGCTGGGACGAGATGCC 24

RESULT 4
US-08-356-060A-43
; Sequence 43, Application US/08460900C
; Patent No. 6165747
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tabin, Clifford J.
; APPLICANT: Bumcrot, David A.
; APPLICANT: Marti-Gorostiza, Elisa
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
; NUMBER OF SEQUENCES: 62
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
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; Sequence 43, Application US/08356060A
; Patent No. 5844079
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tabin, Clifford J.
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII(text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/356,060A
; FILING DATE: 14-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,427
; FILING DATE: 30-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: HMI-006CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-356-060A-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCC 547
DB 1 ACCGAGGGCTGGGACGAGATGCC 24

RESULT 5
US-08-460-900C-43
; Sequence 43, Application US/08460900C
; Patent No. 6165747
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tabin, Clifford J.
; APPLICANT: Bumcrot, David A.
; APPLICANT: Marti-Gorostiza, Elisa
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
; NUMBER OF SEQUENCES: 62
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,900C
; FILING DATE: 5-JUNE-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/435,093
; FILING DATE: 4-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/356,060
; FILING DATE: 14-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,427
; FILING DATE: 30-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: HMV-006.05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 832-1000
; TELEFAX: (617) 832-1000
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; US-08-460-900C-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCG 547
DB 1 ACCGAGGGCTGGGACGAGATGCG 24

RESULT 6
US-08-674-509B-43
; Sequence 43, Application US/08674509B
; Patent No. 6261786
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tabin, Clifford J.
; APPLICANT: Marigo, Valeria
; TITLE OF INVENTION: SCREENING ASSAYS FOR HEDGEHOG AGONISTS
; TITLE OF INVENTION: AND ANTAGONISTS
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/674,509B
; FILING DATE: 02-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/460,900
; FILING DATE: 05-JUN-1995
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; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: HMV-006.06
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer"
; US-08-674-509B-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGGCTGGGACGAGATGCG 547
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RESULT 7
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; Sequence 43, Application US/08954698
; Patent No. 6271363
; GENERAL INFORMATION:
; APPLICANT: Ingham, Phillip W.
; APPLICANT: McMahon, Andrew P.
; APPLICANT: Tabin, Clifford J.
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing
; TITLE OF INVENTION: Proteins and Uses Related Thereto
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
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; APPLICATION NUMBER: US/08/954,698
; FILING DATE: 20-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/462,386
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/435,093
; FILING DATE: 04-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/356,060
; FILING DATE: 14-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/176,427
; FILING DATE: 30-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Vincent, Matthew P.
; REGISTRATION NUMBER: 36,709
; REFERENCE/DOCKET NUMBER: HMV-006.10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
```

LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

US-08-954-698-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGCTGGGACGAAGATGCC 547
DB 1 ACCGAGGCTGGGACGAAGATGCC 24

RESULT 8

US-08-957-874-43

; Sequence 43, Application US/08957874

; Patent No. 6384192

; GENERAL INFORMATION:

; APPLICANT: Ingham, Phillip W.

; APPLICANT: McMahon, Andrew P.

; APPLICANT: Tabin, Clifford J.

; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing

; TITLE OF INVENTION: Proteins and Uses Related Thereto

; NUMBER OF SEQUENCES: 47

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY, HOAG & ELIOT LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII(text)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/957,874

; FILING DATE: 20-OCT-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/462,386

; FILING DATE: 5-JUNE-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/435,093

; FILING DATE: 4-MAY-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/356,060

; FILING DATE: 14-DEC-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/176,427

; FILING DATE: 30-DEC-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Vincent, Matthew P.

; REGISTRATION NUMBER: 36,709

; REFERENCE/DOCKET NUMBER: HMV-006.09

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 832-1000

; TELEFAX: (617) 832-7000

; INFORMATION FOR SEQ ID NO: 43:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 24 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-08-957-874-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGCTGGGACGAAGATGCC 547
DB 1 ACCGAGGCTGGGACGAAGATGCC 24

RESULT 9

US-09-639-695-43

; Sequence 43, Application US/09639695

; Patent No. 6576237

; GENERAL INFORMATION:

; APPLICANT: Ingham, Phillip W.

; APPLICANT: McMahon, Andrew P.

; APPLICANT: Tabin, Clifford J.

; APPLICANT: Bumcrot, David A.

; APPLICANT: Marti-Gorostiza, Elisa

; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing

; TITLE OF INVENTION: Proteins and Uses Related Thereto

; NUMBER OF SEQUENCES: 62

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY, HOAG & ELIOT LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/639,695

; FILING DATE: 16-Aug-2000

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/435,093

; FILING DATE: 4-MAY-1995

; APPLICATION NUMBER: US 08/356,060

; FILING DATE: 14-DEC-1994

; APPLICATION NUMBER: US 08/176,427

; FILING DATE: 30-DEC-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Vincent, Matthew P.

; REGISTRATION NUMBER: 36,709

; REFERENCE/DOCKET NUMBER: HMV-006.05

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 832-1000

; TELEFAX: (617) 832-7000

; INFORMATION FOR SEQ ID NO: 43:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 24 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; SEQUENCE DESCRIPTION: SEQ ID NO: 43:

US-09-639-695-43

Query Match 1.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 524 ACCGAGGCTGGGACGAAGATGCC 547
DB 1 ACCGAGGCTGGGACGAAGATGCC 24

RESULT 10

US-08-068-747-2/c

; Sequence 2, Application US/08068747

; Patent No. 5695933

; GENERAL INFORMATION:

; APPLICANT: Schalling, Martin

APPLICANT: Hudson, Thomas J.
APPLICANT: Housman, David E.
TITLE OF INVENTION: Direct Determination of Expanded
TITLE OF INVENTION: Nucleotide Repeats in the Human Genome
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/068,747
FILING DATE: 28-MAY-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-6141
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Synthetic"
US-08-068-747-2

Query Match 1.5%; Score 23.6; DB 1; Length 30;
Best Local Similarity 86.7%; Pred. No. 7;
Matches 26; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1354 CGCGCGGGGACCGCGGGGCGCGGGCGG 1383
DB 30 CGCGCGGGGACCGCGGGGCGCGGGCGG 1

RESULT 11
US-08-748-591-12/C
Sequence 12, Application US/08748591
Patent No. 5759811
GENERAL INFORMATION:
APPLICANT: Epstein, Ervin
APPLICANT: Hu, Zhilan
APPLICANT: Bonifas, Jeanette
TITLE OF INVENTION: Mutant Human Hedgehog Gene
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish and Richardson
STREET: 2200 Sand Hill Road
CITY: Menlo Park
STATE: CA
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/748,591
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J.
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: 06510/067001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 322-5070
TELEFAX: (415) 854-0875
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-748-591-12

Query Match 1.5%; Score 23.4; DB 1; Length 25;
Best Local Similarity 96.0%; Pred. No. 4.5;
Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 616 CAGCAAGTACGCGATGCTGGCGCG 640
DB 25 CAGCAAGTACGCGATGCTGGCTGC 1

RESULT 12
US-09-475-947A-332
Sequence 332, Application US/09475947A
Patent No. 6472154
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Wren, Jonathan D.
APPLICANT: Minna, John D.
TITLE OF INVENTION: Polymorphic Repeats in Human Genes
FILE REFERENCE: UTS00667
CURRENT APPLICATION NUMBER: US/09/475,947A
CURRENT FILING DATE: 1999-12-31
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 332
LENGTH: 30
TYPE: DNA
ORGANISM: human
US-09-475-947A-332

Query Match 1.4%; Score 22.6; DB 1; Length 30;
Best Local Similarity 86.2%; Pred. No. 11;
Matches 25; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1355 GCGCGGGGACCGCGGGGCGCGGGCGG 1383
DB 1 GCGCGGGGACCGCGGGGCGCGGGCGG 29

RESULT 13
US-09-083-123-5/c
Sequence 5, Application US/09083123
Patent No. 6326143
GENERAL INFORMATION:
APPLICANT: Orum, Hendrik
APPLICANT: Seeger, Corina
TITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
FILE REFERENCE: sequence listing
CURRENT APPLICATION NUMBER: US/09/083,123
CURRENT FILING DATE: 1998-05-22
EARLIER APPLICATION NUMBER: EP 95118600.6
EARLIER FILING DATE: 1995-11-25
EARLIER APPLICATION NUMBER: PCT/EP96/05149
EARLIER FILING DATE: 1996-11-22
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5

```

1 APPLICANT: Hu, Zhilan
2 APPLICANT: Bonifas, Jeanette
3 TITLE OF INVENTION: Mutant Human Hedgehog Gene
4 NUMBER OF SEQUENCES: 23
5 CORRESPONDENCE ADDRESS:
6 ADDRESSEE: Fish and Richardson
7 STREET: 2200 Sand Hill Road
8 CITY: Menlo Park
9 STATE: CA
10 COUNTRY: USA
11 ZIP: 94025
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: Floppy disk
14 COMPUTER: IBM PC compatible
15 OPERATING SYSTEM: PC-DOS/MS-DOS
16 SOFTWARE: PatentIn Release #1.0, Version #1.25
17 CURRENT APPLICATION DATA:
18 APPLICATION NUMBER: US/08/748,591
19 FILING DATE:
20 CLASSIFICATION: 435
21 ATTORNEY/AGENT INFORMATION:
22 NAME: Sherwood, Pamela J
23 REGISTRATION NUMBER: 36,677
24 REFERENCE/DOCKET NUMBER: 06510/067001
25 TELECOMMUNICATION INFORMATION:
26 TELEPHONE: (415) 322-5070
27 TELEFAX: (415) 854-0875
28 INFORMATION FOR SEQ ID NO: 21:
29 SEQUENCE CHARACTERISTICS:
30 LENGTH: 19 base pairs
31 TYPE: nucleic acid
32 STRANDEDNESS: single
33 TOPOLOGY: linear
34 MOLECULE TYPE: cdna
35 US-08-748-591-21
36
37 Query Match 1.2%; Score 19; DB 1; Length 19;
38 Best Local Similarity 100.0%; Pred. No. 17;
39 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
40
41 QY 784 CACCACGCTGGTGAAGGAC 802
42 Db 19 CACCACGCTGGTGAAGGAC 1
43
44 RESULT 16
45 US-09-102-491-5
46 ; Sequence 5, Application US/09102491
47 ; Patent No. 6238876
48 ; GENERAL INFORMATION:
49 ; APPLICANT: Altaba, Ariel Ruiz
50 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
51 ; OF SPORADIC BASAL CELL CARCINOMA
52 ; FILE REFERENCE: 1049-1-008N
53 ; CURRENT APPLICATION NUMBER: US/09/102,491
54 ; CURRENT FILING DATE: 1998-06-22
55 ; EARLIER APPLICATION NUMBER: 60/050,286
56 ; EARLIER FILING DATE: 1997-06-20
57 ; NUMBER OF SEQ ID NOS: 9
58 ; SOFTWARE: PatentIn Ver. 2.0
59 ; SEQ ID NO 5
60 ; LENGTH: 19
61 ; TYPE: DNA
62 ; ORGANISM: Artificial Sequence
63 ; FEATURE:
64 ; OTHER INFORMATION: Description of Artificial Sequence: Primer
65 US-09-102-491-5
66
67 Query Match 1.2%; Score 19; DB 1; Length 19;
68 Best Local Similarity 100.0%; Pred. No. 17;
69 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
70
71 Y 343 GAAGATCTCCAGAACTCC 361

```

```
Db      1 GAAGATCTCCAGAACTCC 19
|||||
RESULT 17
US-09-102-491-9
; Sequence 9, Application US/09102491
; Patent No. 6238876
; GENERAL INFORMATION:
; APPLICANT: Altaba, Ariel Ruizi
; TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
; FILE OF INVENTION: OF SPORADIC BASAL CELL CARCINOMA
; FILE REFERENCE: 1049-1-008N
; CURRENT APPLICATION NUMBER: US/09/102,491
; CURRENT FILING DATE: 1998-06-22
; EARLIER APPLICATION NUMBER: 60/050,286
; EARLIER FILING DATE: 1997-06-20
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-102-491-9

Query Match      1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      167 AGATGTCGCTGCTAGTCC 185
|||||
Db      1 AGATGTCGCTGCTAGTCC 19
|||||

RESULT 18
US-08-374-144-3
; Sequence 3, Application US/08374144
; Patent No. 5629147
; GENERAL INFORMATION:
; APPLICANT: Arogenex, Inc.
; TITLE OF INVENTION: Enriching and Identifying Fetal Cells
; FILE OF INVENTION: Maternal Blood for In Situ Hybridization
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Elman Wilf & Fried
; STREET: 20 West Third Street, P.O. Box 703
; CITY: Media
; STATE: PA
; COUNTRY: USA
; ZIP: 19063-8969
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch 720K diskette
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerry J. Elman
; REGISTRATION NUMBER: 24,404
; REFERENCE/DOCKET NUMBER: M19-085
; TELEPHONE: 610-892-9580
; TELEFAX: 610-892-9577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-374-144-3

Query Match      1.2%; Score 19; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 17;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1357 CGCGGGGACCGGGGGGGGGCGGC 1381
|||||
Db      1 CGCGGGGACCGGGGGGGGGCGGC 25
|||||

RESULT 19
US-08-775-164-3
; Sequence 3, Application US/08775164
; Patent No. 5766843
; GENERAL INFORMATION:
; APPLICANT: Arogenex, Inc.
; TITLE OF INVENTION: Enriching and Identifying Fetal Cells
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Elman & Associates
; STREET: 20 West Third Street, P.O. Box 1969
; CITY: Media
; STATE: PA
; COUNTRY: USA
; ZIP: 19063-8969
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch 720K diskette
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerry J. Elman
; REGISTRATION NUMBER: 24,404
; REFERENCE/DOCKET NUMBER: M19-103
; TELEPHONE: 610-892-9580
; TELEFAX: 610-892-9577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-775-164-3

Query Match      1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 45;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1357 CGCGGGGACCGGGGGGGGGCGGC 1381
|||||
Db      1 CGCGGGGACCGGGGGGGGGCGGC 25
|||||

RESULT 20
US-08-775-609-3
; Sequence 3, Application US/08775609
; Patent No. 5858649
; GENERAL INFORMATION:
; APPLICANT: Arogenex, Inc.
; TITLE OF INVENTION: Enriching and Identifying Fetal Cells
```

```
;
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Elman & Associates
; STREET: 20 West Third Street, P.O. Box 1969
; CITY: Media
; STATE: PA
; COUNTRY: USA
; ZIP: 19063-8969
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch 720K diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/775,609
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerry J. Elman
; REGISTRATION NUMBER: 24,404
; REFERENCE/DOCKET NUMBER: M19-103
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-892-9580
; TELEFAX: 610-892-9577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-775-609-3

Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 45;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGCGGACCGCGGGCGCGCGGC 1381
Db 1 CGCGCGGCGCGCGCGCGCGCGGC 25

RESULT 21
US-08-775-607-3
; Sequence 3, Application US/08775607
; Patent No. 5861253
; GENERAL INFORMATION:
; APPLICANT: Aptogenex, Inc.
; TITLE OF INVENTION: Enriching and Identifying Fetal Cells
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Elman & Associates
; STREET: 20 West Third Street, P.O. Box 1969
; CITY: Media
; STATE: PA
; COUNTRY: USA
; ZIP: 19063-8969
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch 720K diskette
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/775,607
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gerry J. Elman
; REGISTRATION NUMBER: 24,404
; REFERENCE/DOCKET NUMBER: M19-103
; TELECOMMUNICATION INFORMATION:
```

```
;
; TELEPHONE: 610-892-9580
; TELEFAX: 610-892-9577
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-775-607-3

Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 45;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGCGGACCGCGGGCGCGCGGC 1381
Db 1 CGCGCGGCGCGCGCGCGCGCGGC 25

RESULT 22
PCT-US93-06828-3
; Sequence 3, Application PC/TUS9306828
; GENERAL INFORMATION:
; APPLICANT: Asgari, Morteza
; APPLICANT: Bresser, Joel
; APPLICANT: Cabbage, Michael L
; APPLICANT: Prashad, Nagindra
; TITLE OF INVENTION: Enriching and Identifying Fetal Cells In Maternal Blood For
; TITLE OF INVENTION: In Situ Hybridization
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE:
; STREET:
; CITY:
; STATE:
; COUNTRY:
; ZIP:
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 Floppy disk - 720 k
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06828
; FILING DATE: 19930719
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME:
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE:
; TELEFAX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PCT-US93-06828-3

Query Match 1.2%; Score 18.6; DB 1; Length 25;
Best Local Similarity 84.0%; Pred. No. 45;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1357 CGCGCGGACCGCGGGCGCGCGGC 1381
```

Db 1 CGCGCGCGCGCGCGCGCGCGCGC 25

US-08-384-324-6
Sequence 6, Application US/08384324
Patent No. 5844110
GENERAL INFORMATION:
APPLICANT: Gold, Barry I.
TITLE OF INVENTION: Synthetic Triple Helix-Forming Compounds
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dann, Dorfman, Herrell and Skillman
STREET: 1601 Market Street, Suite 720
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/384,324
FILING DATE: 31-JAN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Reed, Janet E.
REGISTRATION NUMBER: 36,252
REFERENCE/DOCKET NUMBER: 63076
TELEPHONE: (215) 563-4100
TELEFAX: (215) 563-4044
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: SV40
POSITION IN GENOME:
CHROMOSOME/SEGMENT: CENTRAL REGION

US-08-384-324-6

Query Match 1.2%; Score 18.2; DB 1; Length 24;
Best Local Similarity 87.0%; Pred. No. 49;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1001 GAGCCCGAGCGCGTCTCGGGCTC 1023
Db 2 GAGCCCGAGCGCGCTCGGGCTC 24

RESULT 24
PCT-US96-01473-6
Sequence 6, Application PC/TUS9601473
GENERAL INFORMATION:
APPLICANT: University of Nebraska, Board of Regents
TITLE OF INVENTION: Synthetic Triple Helix-Forming Compounds
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dann, Dorfman, Herrell and Skillman
STREET: 1601 Market Street Suite 720
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103-2307

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/01473
FILING DATE: 29-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/384,324
FILING DATE: 01-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Reed, Janet E.
REGISTRATION NUMBER: 36,252
TELEPHONE: (215) 563-4100
TELEFAX: (215) 563-4044
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: SV40
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Central Region

PCT-US96-01473-6

Query Match 1.2%; Score 18.2; DB 1; Length 24;
Best Local Similarity 87.0%; Pred. No. 49;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1001 GAGCCCGAGCGCGTCTCGGGCTC 1023
Db 2 GAGCCCGAGCGCGCTCGGGCTC 24

RESULT 25
US-09-102-491-6/c
Sequence 6, Application US/09102491
Patent No. 6238876
GENERAL INFORMATION:
APPLICANT: Altaba, Ariel Ruiz
TITLE OF INVENTION: METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT
OF SPORADIC BASAL CELL CARCINOMA
FILE REFERENCE: 1049-1-008N
CURRENT APPLICATION NUMBER: US/09/102,491
CURRENT FILING DATE: 1998-06-22
EARLIER APPLICATION NUMBER: 60/050,286
EARLIER FILING DATE: 1997-06-20
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer

US-09-102-491-6

Query Match 1.1%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 559 GGAGTCTCTGCACTACGA 576
Db 18 GGAGTCTCTGCACTACGA 1

```
RESULT 26
US-09-277-078-24/c
; Sequence 24, Application US/09277078
; Patent No. 6312949
; GENERAL INFORMATION:
; APPLICANT: Sakurada, Kazuhiro
; APPLICANT: Palmer, Theo
; APPLICANT: Gage, Fred H.
; TITLE OF INVENTION: REGULATION OF TYROSINE HYDROXYLASE
; FILE REFERENCE: 07251/031001
; CURRENT APPLICATION NUMBER: US/09/277,078
; PRIORITY FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for PCR
US-09-277-078-24

Query Match      1.1%; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 40;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      604 TGACCGCGACGGCAGCAAGTA 624
Db      21 TGACAGGGACCGCAGCAAGTA 1

RESULT 27
US-08-742-755A-31/c
; Sequence 31, Application US/08742755A
; Patent No. 5858671
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; FILE REFERENCE: Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,755A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,755
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanley, Elizabeth A.
; REGISTRATION NUMBER: 33,505
; REFERENCE/DOCKET NUMBER: UIZ-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-742-755A-31

Query Match      1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 78;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1305 CGCTCCTGGCTGCACCTGGCGCCC 1327
Db      24 CACTCCTGGCTGCACCTGGCGCAC 2

RESULT 28
US-09-226-683-31/c
; Sequence 31, Application US/09226683
; Patent No. 6190889
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; FILE REFERENCE: Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/226,683
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,755
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanley, Elizabeth A.
; REGISTRATION NUMBER: 33,505
; REFERENCE/DOCKET NUMBER: UIZ-022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-226-683-31

Query Match      1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 78;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      1305 CGCTCCTGGCTGCACCTGGCGCCC 1327
Db      24 CACTCCTGGCTGCACCTGGCGCAC 2

RESULT 29
US-09-387-699-12
; Sequence 12, Application US/09387699
; Patent No. 6221660
; GENERAL INFORMATION:
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
```

APPLICANT: Adham, Nika
APPLICANT: Boyle, No. 62216601
TITLE OF INVENTION: DNA Encoding SNORF25 Receptor
FILE REFERENCE: 56095-A
CURRENT APPLICATION NUMBER: US/09/387,699
CURRENT FILING DATE: 1999-08-13
EARLIER APPLICATION NUMBER: 09/255,376
EARLIER FILING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn Ver. 2.0 - beta
SEQ ID NO 12
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: primer/probe
US-09-387-699-12

Query Match 1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 86.4%; Pred. No. 78;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1247 GTCATCGAGGAGCAGACTGGG 1268
DB 3 GACAAAGAGGAGCAGACTGGG 24

RESULT 30
US-09-035-183-31/c
Sequence 31, Application US/09035183
Patent No. 6258533
GENERAL INFORMATION:
APPLICANT: Jones, Douglas H.
TITLE OF INVENTION: An Iterative and Regenerative DNA Sequencing Method
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/035,183
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/742,755
FILING DATE: 01-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hanley, Elizabeth A.
REGISTRATION NUMBER: 33,505
REFERENCE/DOCKET NUMBER: UI2-022CP
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-035-183-31

Query Match 1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 78;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1305 CGTCTCTGGCTGCACCTGGGGCCC 1327
DB 24 CACTCTCGCTGGAGCTGGGGCAC 2

RESULT 31
US-09-641-259B-12
Sequence 12, Application US/09641259B
Patent No. 6468756
GENERAL INFORMATION:
APPLICANT: Bonini, James A
APPLICANT: Borowsky, Beth E
APPLICANT: Adham, Nika
APPLICANT: Boyle, No. 64687561
APPLICANT: Thompson, Thelma O.
TITLE OF INVENTION: DNA Encoding SNORF25 Receptor
FILE REFERENCE: 1795/56095-B/JPW/ADM
CURRENT APPLICATION NUMBER: US/09/641,259B
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: PCT/US00/04413
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 09/387,699
PRIOR FILING DATE: 1999-08-13
PRIOR APPLICATION NUMBER: US 09/255,376
PRIOR FILING DATE: 1999-02-22
NUMBER OF SEQ ID NOS: 35
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer/ Probe
US-09-641-259B-12

Query Match 1.1%; Score 17.2; DB 1; Length 24;
Best Local Similarity 86.4%; Pred. No. 78;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1247 GTCATCGAGGAGCAGACTGGG 1268
DB 3 GACAAAGAGGAGCAGACTGGG 24

RESULT 32
US-08-384-324-6/c
Sequence 6, Application US/08384324
Patent No. 5844110
GENERAL INFORMATION:
APPLICANT: Gold, Barry I.
TITLE OF INVENTION: Synthetic Triple Helix-Forming Compounds
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pann, Dorfman, Herrell and Skillman
STREET: 1601 Market Street, Suite 720
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/384,324
FILING DATE: 31-JAN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Reed, Janet E.
REGISTRATION NUMBER: 36,252
REFERENCE/DOCKET NUMBER: 63076

TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 563-4100
TELEFAX: (215) 563-4044
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
TOPOLOGY: not relevant
STRANDEDNESS: double
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: SV40
POSITION IN GENOME:
CHROMOSOME/SEGMENT: CENTRAL REGION
US-08-384-324-6

Query Match 1.1%; Score 16.6; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 1e+02; 4; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1001 GAGCCCGAGCGCTCTCGGGCTC 1023
||| ||||| ||||| ||||| |||||
Db 24 GAGCGCGAGCGCGCTCTCGGGCTC 2

RESULT 33
PCT-US96-01473-6/c
Sequence 6, Application PC/TUS9601473
GENERAL INFORMATION:
APPLICANT: University of Nebraska, Board of Regents
APPLICANT: Gold, Barry I.
TITLE OF INVENTION: Synthetic Triple Helix-Forming Compounds
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
STREET: 1601 Market Street Suite 720
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103-2307
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/01473
FILING DATE: 29-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/384,324
FILING DATE: 01-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Reed, Janet E.
REGISTRATION NUMBER: 36,252
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 563-4100
TELEFAX: (215) 563-4044
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: SV40
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Central Region

PCT-US96-01473-6

Query Match 1.1%; Score 16.6; DB 1; Length 24;
Best Local Similarity 82.6%; Pred. No. 1e+02; 4; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1001 GAGCCCGAGCGCTCTCGGGCTC 1023
||| ||||| ||||| ||||| |||||
Db 24 GAGCGCGAGCGCGCTCTCGGGCTC 2

RESULT 34
US-09-377-155-23/c
Sequence 23, Application US/09377155
Patent No. 6197312
GENERAL INFORMATION:
APPLICANT: PEAK, Ian Richard Anselm
APPLICANT: MOXON, E. Richard
TITLE OF INVENTION: NOVEL SURFACE ANTIGEN
FILE REFERENCE: 065064/0128
CURRENT APPLICATION NUMBER: US/09/377,155
CURRENT FILING DATE: 1999-08-19
PRIOR APPLICATION NUMBER: PCT/AU98/01031
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: GB 9726398.2
PRIOR FILING DATE: 1997-12-12
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 23
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonucleotide primer for PCR
US-09-377-155-23

Query Match 1.0%; Score 16.4; DB 1; Length 18;
Best Local Similarity 94.4%; Pred. No. 51;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 329 GGAAGGTATGAAGGGAAG 346
||| ||||| ||||| ||||| |||||
Db 18 GGAAGGTTTGAAGGGAAG 1

RESULT 35
US-09-669-974-23/c
Sequence 23, Application US/09669974
Patent No. 6333173
GENERAL INFORMATION:
APPLICANT: PEAK, Ian Richard Anselm
APPLICANT: JENNINGS, Michael Paul
APPLICANT: MOXON, E. Richard
TITLE OF INVENTION: NOVEL SURFACE ANTIGEN
FILE REFERENCE: 065064/0128
CURRENT APPLICATION NUMBER: US/09/669,974
CURRENT FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: US 09/377,155
PRIOR FILING DATE: 1999-08-19
PRIOR APPLICATION NUMBER: PCT/AU98/01031
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: GB 9726398.2
PRIOR FILING DATE: 1997-12-12
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 23
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:

OTHER INFORMATION: Oligonucleotide primer for PCR
US-09-669-974-23

Query Match 1.0%; Score 16.4; DB 1; Length 18;
Best Local Similarity 94.4%; Pred. No. 51;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 329 GGAAGGTATGAAGGGAAG 346
|||||
Db 18 GGAAGGTATGAAGGGAAG 1

RESULT 36
US-09-358-382-10
Sequence 10, Application US/09358382
Patent No. 6010906
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF JUN N-TERMINAL KINASE KINASE-1 EXPRESSION
FILE REFERENCE: RTS-0071
CURRENT APPLICATION NUMBER: US/09/358,382
CURRENT FILING DATE: 1999-07-21
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 10
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-358-382-10

Query Match 1.0%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 68;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1015 CTCGGGCTCGGGCGGCC 1032
|||||
Db 2 CTCGGGCTCGGGCGGCC 19

RESULT 37
US-08-863-639A-52/c
Sequence 52, Application US/08863639A
Patent No. 5981185
GENERAL INFORMATION:
APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, 9th Floor
CITY: Pasadena
STATE: CA
COUNTRY: USA
ZIP: 91101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8 version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/863,639A
FILING DATE: May 28, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Joseph E. Mueth
REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 11859-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (626) 796-4000
TELEFAX: (626) 795-6321
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-08-863-639A-55

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1341 GCGCGGGGACACGGCGCG 1361
|||||
Db 21 GCGCGGGGACACGGCGCG 1

RESULT 39

TELEPHONE: (626) 796-4000
TELEFAX: (626) 795-6321
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-08-863-639A-52

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1342 GCGCGGGGACACGGCGCG 1362
|||||
Db 21 GCGCGGGGACACGGCGCG 1

RESULT 38
US-08-863-639A-55/c
Sequence 55, Application US/08863639A
Patent No. 5981185
GENERAL INFORMATION:
APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, 9th Floor
CITY: Pasadena
STATE: CA
COUNTRY: USA
ZIP: 91101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Corel WordPerfect 8 version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/863,639A
FILING DATE: May 28, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Joseph E. Mueth
REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 11859-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (626) 796-4000
TELEFAX: (626) 795-6321
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-08-863-639A-55

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1341 GCGCGGGGACACGGCGCG 1361
|||||
Db 21 GCGCGGGGACACGGCGCG 1

RESULT 39

```
US-08-863-639A-56
; Sequence 56, Application US/08863639A
; Patent No. 5981185
; GENERAL INFORMATION:
; APPLICANT: Matson, Robert S.
; APPLICANT: Coassin, Peter J.
; APPLICANT: Rampal, Jang B.
; APPLICANT: Caskey, C. T.
; TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, 9th Floor
; CITY: Pasadena
; STATE: CA
; COUNTRY: USA
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Corel WordPerfect 8 version
; CURRENT APPLICATION DATA:
; FILING DATE: May 28, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph E. Mueh
; REGISTRATION NUMBER: 20,532
; REFERENCE/DOCKET NUMBER: 11859-1
; TELEPHONE: (626) 796-4000
; TELEFAX: (626) 795-6321
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-08-863-639A-56

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1342 CGCGCGGACACGCGCGCGG 1362
Db 1 CGCGCGCGCGCGCGCGG 21

RESULT 40
US-08-863-639A-67/c
; Sequence 67, Application US/08863639A
; Patent No. 5981185
; GENERAL INFORMATION:
; APPLICANT: Matson, Robert S.
; APPLICANT: Coassin, Peter J.
; APPLICANT: Rampal, Jang B.
; APPLICANT: Caskey, C. T.
; TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, 9th Floor
; CITY: Pasadena
; STATE: CA
; COUNTRY: USA
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; OPERATING SYSTEM: Windows 95
; SOFTWARE: IBM compatible
; CURRENT APPLICATION DATA:
; FILING DATE: May 28, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph E. Mueh
; REGISTRATION NUMBER: 20,532
; REFERENCE/DOCKET NUMBER: 11859-1
; TELEPHONE: (626) 796-4000
; TELEFAX: (626) 795-6321
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-08-863-639A-67/c

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1342 CGCGCGGACACGCGCGCGG 1362
Db 1 CGCGCGCGCGCGCGCGG 21

RESULT 40
US-08-863-639A-67/c
; Sequence 67, Application US/08863639A
; Patent No. 5981185
; GENERAL INFORMATION:
; APPLICANT: Matson, Robert S.
; APPLICANT: Coassin, Peter J.
; APPLICANT: Rampal, Jang B.
; APPLICANT: Caskey, C. T.
; TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, 9th Floor
; CITY: Pasadena
; STATE: CA
; COUNTRY: USA
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Corel WordPerfect 8 version
; CURRENT APPLICATION DATA:
; FILING DATE: May 28, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph E. Mueh
; REGISTRATION NUMBER: 20,532
; REFERENCE/DOCKET NUMBER: 11859-1
; TELEPHONE: (626) 796-4000
; TELEFAX: (626) 795-6321
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-08-863-639A-67/c

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1364 GACCGCGGCGCGCGCGG 1384
Db 21 GCGCGCGCGCGCGCGG 1

RESULT 41
US-08-863-639A-68
; Sequence 68, Application US/08863639A
; Patent No. 5981185
; GENERAL INFORMATION:
; APPLICANT: Matson, Robert S.
; APPLICANT: Coassin, Peter J.
; APPLICANT: Rampal, Jang B.
; APPLICANT: Caskey, C. T.
; TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, 9th Floor
; CITY: Pasadena
; STATE: CA
; COUNTRY: USA
; ZIP: 91101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Corel WordPerfect 8 version
; CURRENT APPLICATION DATA:
; FILING DATE: May 28, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph E. Mueh
; REGISTRATION NUMBER: 20,532
; REFERENCE/DOCKET NUMBER: 11859-1
; TELEPHONE: (626) 796-4000
; TELEFAX: (626) 795-6321
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-08-863-639A-68
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Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1341 GCGCGGGGACAGCGCGCGG 1361
DB 1 GCGCGGGCGGCGCGCGCGG 21

RESULT 42

US-08-863-639A-71
; Sequence 71, Application US/08863639A
; Patent No. 5981185
; GENERAL INFORMATION:
; APPLICANT: Matson, Robert S.
; APPLICANT: Coassin, Peter J.
; APPLICANT: Rampal, Jang B.
; APPLICANT: Caskey, C. T.
; TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheldon & Mak
; STREET: 225 South Lake Avenue, 9th Floor
; CITY: Pasadena
; STATE: CA
; COUNTRY: USA
; ZIP: 91101

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Corel WordPerfect 8 version
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/863,639A
; FILING DATE: May 28, 1997
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

; NAME: Joseph E. Mueth
; REGISTRATION NUMBER: 20,532
; REFERENCE/DOCKET NUMBER: 11859-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (626) 796-4000
; TELEFAX: (626) 795-6321

INFORMATION FOR SEQ ID NO: 71:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid
US-08-863-639A-71

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1364 GACCGCGGGCGCGCGCGG 1384
DB 1 GCGCGCGGCGCGCGCGCGG 21

RESULT 43

US-08-416-214A-11
; Sequence 11, Application US/08416214A
; Patent No. 5998596
; GENERAL INFORMATION:

; APPLICANT: Bergan, Raymond; Neckers, Len
; TITLE OF INVENTION: Inhibition Of Protein
; TITLE OF INVENTION: Kinase Activity By Aptameric Action Of
; TITLE OF INVENTION: Oligonucleotides
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN

; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,214A
; FILING DATE: 04-APR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Kathryn M.
; REGISTRATION NUMBER: 34,556
; REFERENCE/DOCKET NUMBER: 2026-4166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792

INFORMATION FOR SEQ ID NO: 11:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: Nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: Other nucleic acid
; HYPOTHETICAL: Yes
; ANTI-SENSE: No
US-08-416-214A-11

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1364 GACCGCGGGCGCGCGCGG 1384
DB 1 GCGCGCGGCGCGCGCGCGG 21

RESULT 44

US-08-956-254-1
; Sequence 1, Application US/08956254A
; Patent No. 6013265
; GENERAL INFORMATION:

; APPLICANT: AURELIAN, LAURE
; TITLE OF INVENTION: Vaccine Composition for Herpes Simplex Virus and
; TITLE OF INVENTION: Methods of Using
; FILE REFERENCE: 14211A

; CURRENT APPLICATION NUMBER: US/08/956,254A
; CURRENT FILING DATE: 1997-10-22

; EARLIER APPLICATION NUMBER: US 60/029,093
; EARLIER FILING DATE: 1996-10-22

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 21

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:HYBRIDIZATION
; OTHER INFORMATION: PROBE CORRESPONDING TO ICPIORR CODING REGION OF
; OTHER INFORMATION: HSV-2

US-08-956-254-1

Query Match 1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 86;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 394 CCCGACATCATATTTAAGGA 414
DB 1 CCCCTTCATCATGTTTAAAGGA 21

```

RESULT 46
US-08-742-755A-35/c
; Sequence 35, Application US/08742755A
; Patent No. 5858671
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; TITLE OF INVENTION: Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
;

```

```

1  RESULT 47
2  US-09-226-683-32
3  ; Sequence 32, Application US/09226683
4  ; Patent No. 6190889
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Jones, Douglas H.
7  ; TITLE OF INVENTION: An Iterative and Regenerative DNA
8  ; TITLE OF INVENTION: Sequencing Method
9  ; NUMBER OF SEQUENCES: 41
10 ; CORRESPONDENCE ADDRESS:
11 ; ADDRESSEE: LAHIVE & COCKFIELD, LLP
12 ; STREET: 28 State Street
13 ; CITY: Boston
14 ; STATE: Massachusetts
15 ; COUNTRY: USA
16 ; ZIP: 02109-1875
17 ; COMPUTER READABLE FORM:
18 ; MEDIUM TYPE: Floppy disk
19 ; COMPUTER: IBM PC Compatible
20 ; OPERATING SYSTEM: PC-DOS/MS-DOS
21 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
22 ; CURRENT APPLICATION NUMBER: US/09/226,683
23 ; APPLICATION NUMBER: US/09/226,683
24 ; FILING DATE:
25 ; CLASSIFICATION:
26 ; PRIOR APPLICATION DATA:
27 ; APPLICATION NUMBER: US/08/742,755
28 ; FILING DATE:
29 ; ATTORNEY/AGENT INFORMATION:
30 ; NAME: Hanley, Elizabeth A.
31 ; REGISTRATION NUMBER: 33,505
32 ; REFERENCE/DOCKET NUMBER: UIZ-022
33 ; TELECOMMUNICATION INFORMATION:
34 ; TELEPHONE: (617)227-7400
35 ; TELEFAX: (617)742-4214
36 ; INFORMATION FOR SEQ ID NO: 32:
37 ; SEQUENCE CHARACTERISTICS:
38 ; LENGTH: 22 base pairs

```

```

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-226-683-32
Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 98;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1307 CTCCTGCTGCACTGGCGCC 1327
Db 1 CTCCTGCTGCACTGGCGCAC 21

RESULT 48
US-09-226-683-35/c
; Sequence 35, Application US/09226683
; Patent No. 6190889
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; TITLE OF INVENTION: Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/226,683
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,755
; FILING DATE: 01-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanley, Elizabeth A.
; REGISTRATION NUMBER: 33,505
; REFERENCE/DOCKET NUMBER: UIZ-022CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-035-183-32
Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred. No. 98;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1307 CTCCTGCTGCACTGGCGCC 1327
Db 1 CTCCTGCTGCACTGGCGCAC 21

RESULT 50
US-09-035-183-35/c
; Sequence 35, Application US/09035183
; Patent No. 6258533
; GENERAL INFORMATION:
; APPLICANT: Jones, Douglas H.
; TITLE OF INVENTION: An Iterative and Regenerative DNA
; TITLE OF INVENTION: Sequencing Method
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/035,183
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/742,755

```

; FILING DATE: 01-NOV-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanley, Elizabeth A.
; REGISTRATION NUMBER: 33,505
; REFERENCE/DOCKET NUMBER: UIZ-022CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-035-183-35

Query Match 1.0%; Score 16.2; DB 1; Length 22;
Best Local Similarity 85.7%; Pred.No. 98;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Cy 1307 CTCCTGGCTGCATGGGGGCC 1327
Db 22 CTCCTGGCTGCATGGGGCAC 2

RESULT 51
US-08-748-591-13
; Sequence 13, Application US/08748591
; Patent No. 5759811
; GENERAL INFORMATION:
; APPLICANT: Epstein, Ervin
; APPLICANT: Hu, Zhilan
; APPLICANT: Bonifas, Jeanette
; TITLE OF INVENTION: Mutant Human Hedgehog Gene
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish and Richardson
; STREET: 2200 Sand Hill Road
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/748,591
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: 06510/067001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 322-5070
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-748-591-13

Query Match 1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred.No. 44;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 85 CGCGCGCGCACTCG 100

Db 1 CGCGCGCGCACTCG 16

RESULT 52
US-08-748-591-18/c
; Sequence 18, Application US/08748591
; Patent No. 5759811
; GENERAL INFORMATION:
; APPLICANT: Epstein, Ervin
; APPLICANT: Hu, Zhilan
; APPLICANT: Bonifas, Jeanette
; TITLE OF INVENTION: Mutant Human Hedgehog Gene
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish and Richardson
; STREET: 2200 Sand Hill Road
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/748,591
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: 06510/067001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 322-5070
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-748-591-18

Query Match 1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred.No. 44;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1561 GGCGCGGAGGGGGCC 1576
Db 16 GGCGCGGAGGGGGCC 1

RESULT 53
US-08-748-591-19
; Sequence 19, Application US/08748591
; Patent No. 5759811
; GENERAL INFORMATION:
; APPLICANT: Epstein, Ervin
; APPLICANT: Hu, Zhilan
; APPLICANT: Bonifas, Jeanette
; TITLE OF INVENTION: Mutant Human Hedgehog Gene
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish and Richardson
; STREET: 2200 Sand Hill Road
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/748,591
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: 06510/067001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 322-5070
TELEFAX: (415) 854-0875
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-748-591-19

Query Match 1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 85 CGCGCGCGGCGCACTCG 100
DB 1 CGCGCGCGGCGCACTCG 16

RESULT 54
US-08-748-591-20/c
Sequence 20, Application US/08748591
Patent No. 5753811
GENERAL INFORMATION:
APPLICANT: Epstein, Ervin
APPLICANT: Hu, Zhilan
APPLICANT: Bonifas, Jeanette
TITLE OF INVENTION: Mutant Human Hedgehog Gene
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish and Richardson
STREET: 2200 Sand Hill Road
CITY: Menlo Park
STATE: CA
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/748,591
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: 06510/067001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 322-5070
TELEFAX: (415) 854-0875
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA

US-08-748-591-20

Query Match 1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1561 GCGCGGGAGGGGCC 1576
DB 16 GCGCGGGAGGGGCC 1

RESULT 55
US-08-914-961-2/c
Sequence 2, Application US/08914961
Patent No. 6018042
GENERAL INFORMATION:
APPLICANT: Mett, Helmut
APPLICANT: Haner, Robert
APPLICANT: Dean, Nicholas Mark
TITLE OF INVENTION: Antitumor Antisense Oligonucleotides
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Editor
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/914,961
FILING DATE: 20-AUG-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/287,753
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Spruill, W. Murray
REGISTRATION NUMBER: 32,943
REFERENCE/DOCKET NUMBER: 4-20047/P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8615
TELEFAX: (919) 541-8689
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: YES
POSITION IN GENOME:
MAP POSITION: -80
UNITS: bp
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..20
OTHER INFORMATION: /note= "All nucleotides are of the
OTHER INFORMATION: phosphorothioate type"
US-08-914-961-2

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1341 GCGCGGGGACAGCGCGG 1359
DB 20 GCGCGGGGACAGCGCGG 2

```
RESULT 56
US-08-777-266A-26/c
; Sequence 26, Application US/08777266A
; Patent No. 6077833
; GENERAL INFORMATION:
; APPLICANT: Clarence Frank Bennett
; APPLICANT: Timothy A. Vickers
; TITLE OF INVENTION: Oligonucleotide Compositions and
; TITLE OF INVENTION: Methods for the Modulation of the Expression of B7 Proteins
; NUMBER OF SEQUENCES: 125
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/777,266A
; FILING DATE: December 31, 1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-08-777-266A-26

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 898 GAGGTCCTTCTACGTGATC 916
Db 19 GAGGTCCTTCTACGTGAC 1

RESULT 57
US-09-030-701-65
; Sequence 65, Application US/09030701B
; Patent No. 6214806
; GENERAL INFORMATION:
; APPLICANT: Krieg, Arthur M.
; APPLICANT: Schwartz, David A.
; TITLE OF INVENTION: USE OF NUCLEIC ACIDS CONTAINING
; TITLE OF INVENTION: UNMETHYLATED CpG DINUCLEOTIDE IN THE TREATMENT OF
; TITLE OF INVENTION: LPS-ASSOCIATED DISORDERS
; FILE REFERENCE: C1039/7011
; CURRENT APPLICATION NUMBER: US/09/030,701B
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/039,405
; PRIOR FILING DATE: 1997-02-28
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 65

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 898 GAGGTCCTTCTACGTGATC 916
Db 19 GAGGTCCTTCTACGTGAC 1

RESULT 58
US-09-326-186B-26/c
; Sequence 26, Application US/09326186B
; Patent No. 6319906
; GENERAL INFORMATION:
; APPLICANT: Bennett, Clarence Frank
; APPLICANT: Vickers, Timothy A.
; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
; TITLE OF INVENTION: Modulation of the Expression of B7 Protein
; FILE REFERENCE: ISPH-0376
; CURRENT APPLICATION NUMBER: US/09/326,186B
; CURRENT FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 08/777,266
; PRIOR FILING DATE: 1996-12-31
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; US-09-326-186B-26

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 898 GAGGTCCTTCTACGTGATC 916
Db 19 GAGGTCCTTCTACGTGAC 1

RESULT 59
US-09-082-649B-57
; Sequence 57, Application US/09082649B
; Patent No. 6339068
; GENERAL INFORMATION:
; APPLICANT: Davis, Heather L.
; APPLICANT: Krieg, Arthur M.
; APPLICANT: Schorr, Joachim
; APPLICANT: Wu, Tong
; TITLE OF INVENTION: Vectors and Methods for Immunization or
; TITLE OF INVENTION: Therapeutic Protocols
; FILE REFERENCE: C1039/7009
; CURRENT APPLICATION NUMBER: US/09/082,649B
; CURRENT FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 60/047,233
; PRIOR FILING DATE: 1997-05-20
; PRIOR APPLICATION NUMBER: US 60/047,209
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

```
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic oligonucleotide
; US-09-030-701-65

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1368 GCGGGGGCGGGCGGGCGG 1386
Db 2 GCGGGGGCGGGCGGGCGG 20

RESULT 58
US-09-326-186B-26/c
; Sequence 26, Application US/09326186B
; Patent No. 6319906
; GENERAL INFORMATION:
; APPLICANT: Bennett, Clarence Frank
; APPLICANT: Vickers, Timothy A.
; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
; TITLE OF INVENTION: Modulation of the Expression of B7 Protein
; FILE REFERENCE: ISPH-0376
; CURRENT APPLICATION NUMBER: US/09/326,186B
; CURRENT FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 08/777,266
; PRIOR FILING DATE: 1996-12-31
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
; US-09-326-186B-26

Query Match 1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 898 GAGGTCCTTCTACGTGATC 916
Db 19 GAGGTCCTTCTACGTGAC 1

RESULT 59
US-09-082-649B-57
; Sequence 57, Application US/09082649B
; Patent No. 6339068
; GENERAL INFORMATION:
; APPLICANT: Davis, Heather L.
; APPLICANT: Krieg, Arthur M.
; APPLICANT: Schorr, Joachim
; APPLICANT: Wu, Tong
; TITLE OF INVENTION: Vectors and Methods for Immunization or
; TITLE OF INVENTION: Therapeutic Protocols
; FILE REFERENCE: C1039/7009
; CURRENT APPLICATION NUMBER: US/09/082,649B
; CURRENT FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 60/047,233
; PRIOR FILING DATE: 1997-05-20
; PRIOR APPLICATION NUMBER: US 60/047,209
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
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```
;
; FEATURE:
; OTHER INFORMATION: synthetic oligonucleotide
US-09-082-649B-57

Query Match      1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGGCGGGCGGAG 1386
      |||||
DB 2 GCGGGGCGGGCGGGCGGCGG 20

RESULT 60
US-09-702-327-46/c
; Sequence 46, Application US/09702327
; Patent No. 6426220
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF CALRETICULIN EXPRESSION
; FILE REFERENCE: RTS-0097
; CURRENT APPLICATION NUMBER: US/09/702,327
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 46
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-702-327-46

Query Match      1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 525 CCGAGGCTGGGACGAGA 543
      |||||
DB 19 CCGAGGACTGGGATGAAGA 1

RESULT 61
US-09-898-361-147/c
; Sequence 147, Application US/09898361
; Patent No. 6503152
; GENERAL INFORMATION:
; APPLICANT: Susan Murray
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR BETA RECEPTOR
; FILE REFERENCE: EXPRESSION
; FILE REFERENCE: RTS-0158
; CURRENT APPLICATION NUMBER: US/09/898,361
; CURRENT FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 163
; SEQ ID NO 147
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-898-361-147

Query Match      1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 522 TGACCGAGGCTGGGACGA 540
      |||||
DB 19 TGACCGAGTGTGGGACCA 1

RESULT 62
```

```
US-09-339-944-11
; Sequence 11, Application US/09339944
; Patent No. 6114129
; GENERAL INFORMATION:
; APPLICANT: AGRAWAL, Babita
; APPLICANT: LONGENECKER, B. Michael
; TITLE OF INVENTION: METHODS OF DETECTING T-CELL ACTIVATION AND TREATING
; FILE REFERENCE: DISORDERS ASSOCIATED WITH T-CELL DYSFUNCTION
; FILE REFERENCE: 042881/0129
; CURRENT APPLICATION NUMBER: US/09/339,944
; CURRENT FILING DATE: 1999-06-25
; EARLIER APPLICATION NUMBER: 60/090,916
; EARLIER FILING DATE: 1998-06-26
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 11
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-339-944-11

Query Match      1.0%; Score 15.8; DB 1; Length 21;
Best Local Similarity 89.5%; Pred. No. 1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 731 AAATCGGAGGCTGCTTC 749
      |||||
DB 3 ATATCGAGAGGCTGCTTC 21

RESULT 63
US-08-835-728D-47
; Sequence 47, Application US/08835728D
; Patent No. 6017704
; GENERAL INFORMATION:
; APPLICANT: Herman, James G.
; APPLICANT: Baylin, Stephen B.
; TITLE OF INVENTION: Methylation Specific Detection
; NUMBER OF SEQUENCES: 216
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/835,728D
; FILING DATE: April 11, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/656,716
; FILING DATE: June 03, 1996,
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/125001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

```
; MOLECULE TYPE: DNA
US-08-835-728D-47

Query Match      1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 375 AACTCACCCTCCCAATTACAAACCC 396
Db 1 AACACACACCACTACAAACCC 22

RESULT 64
US-08-835-728D-151/c
; Sequence 151, Application US/08835728D
; Patent No. 6017704
; GENERAL INFORMATION:
; APPLICANT: Herman, James G.
; APPLICANT: Baylin, Stephen B.
; TITLE OF INVENTION: Methylation Specific Detection
; NUMBER OF SEQUENCES: 216
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,558
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/835,728
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/125001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-490-558-47

Query Match      1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 375 AACTCACCCTCCCAATTACAAACCC 396
Db 1 AACACACACCACTACAAACCC 22

RESULT 66
US-09-490-558-151/c
; Sequence 151, Application US/09490558
; Patent No. 6265171
; GENERAL INFORMATION:
; APPLICANT: Herman, James G.
; APPLICANT: Baylin, Stephen B.
; TITLE OF INVENTION: Methylation Specific Detection
; NUMBER OF SEQUENCES: 216
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/490,558
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/835,728
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/125001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 151:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-835-728D-151

Query Match      1.0%; Score 15.6; DB 1; Length 22;
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 375 AACTCACCCTCCCAATTACAAACCC 396
Db 22 AACACACACCACTACAAACCC 1

RESULT 65
US-09-490-558-47
; Sequence 47, Application US/09490558
; Patent No. 6265171
; GENERAL INFORMATION:
; APPLICANT: Herman, James G.
; APPLICANT: Baylin, Stephen B.
; TITLE OF INVENTION: Methylation Specific Detection
```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/125001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 151:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-09-490-558-151

Query Match
Best Local Similarity 81.8%; Pred. No. 1.3e+02;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 375 AACTCACCCCAATTACACCC 396
DB 22 AACACACCACTACACCC 1

RESULT 67
US-09-371-772B-4186
; Sequence 4186, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: MCSwigen, Jim
; APPLICANT: Stichcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4186
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4186

Query Match
Best Local Similarity 1.0%; Score 15.4; DB 1; Length 17;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1367 CGCGGGCGCGCGCGCG 1383
DB 1 CGCGGGCGCGCGCGCG 17

RESULT 68
US-08-857-946-14
; Sequence 14, Application US/08857946
; Patent No. 5994075
; GENERAL INFORMATION:
; APPLICANT: Goodfellow, P.N.
; TITLE OF INVENTION: METHODS FOR IDENTIFYING A MUTATION IN A
; NUMBER OF SEQUENCES: 162
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Inc.
; STREET: 75 State Street
```

```

; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1807
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/857,946
; FILING DATE: 16-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/60/017,824
; FILING DATE: 17-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kathleen M. Williams
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 3529/05573
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-345-9100
; TELEFAX: 617-345-9111
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
US-08-857-946-14

Query Match
Best Local Similarity 1.0%; Score 15.4; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1368 GCGGGCGCGCGCGCG 1384
DB 1 GCGGGCGCGCGCGCG 17

RESULT 69
US-08-970-740-14
; Sequence 14, Application US/08970740
; Patent No. 6015670
; GENERAL INFORMATION:
; APPLICANT: Goodfellow, P.N.
; TITLE OF INVENTION: METHODS FOR IDENTIFYING A MUTATION IN A
; NUMBER OF SEQUENCES: 162
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Inc.
; STREET: 28 State Street, 28th Floor
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/970,740
; FILING DATE: 14-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/857,946
; FILING DATE: 16-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/017,824
; FILING DATE: 17-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kathleen M. Williams
```

```
;
;   REGISTRATION NUMBER: 34,380
;   REFERENCE/DOCKET NUMBER: 3529/59829
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617-227-7111
;   TELEFAX: 617-227-4399
;   INFORMATION FOR SEQ ID NO: 14:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 18 bases
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: other nucleic acid
US-08-970-740-14
;
Query Match
; Sequence 15, Application US/09198452A
; Best Local Similarity 94.1%; Pred. No. 81; Length 18;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1368 GCGGGCGGGCGGGCGGC 1384
Db 1 GCGGGCGGGCGGGCGGC 17
;
RESULT 70
US-09-198-452A-5835/c
; Sequence 5835, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5835
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-5835
;
Query Match
; Sequence 15, Application US/09197063
; Best Local Similarity 94.1%; Pred. No. 1.1e-02; Length 20;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 190 CTCCTCGCTGCTGGTAT 206
Db 18 CTCCTCGCTGCTGGCAT 2
;
RESULT 71
US-09-197-063-4
; Sequence 4, Application US/09197063
; Patent No. 6261817
; GENERAL INFORMATION:
; APPLICANT: Zalacain, Magdalena
; APPLICANT: Brown, James R.
; APPLICANT: Biswas, Sanjoy
; APPLICANT: Warren, Richard L.
; APPLICANT: Shilling, Lisa K.
; TITLE OF INVENTION: No. 6261817el Guaa
; FILE REFERENCE: GM10121
; CURRENT APPLICATION NUMBER: US/09/197,063
; CURRENT FILING DATE: 1998-11-20
; EARLIER APPLICATION NUMBER: 60/066,350
; EARLIER FILING DATE: 1997-11-21
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
```

```
US-09-197-063-4
;
Query Match
; Sequence 15, Application US/09101886B
; Best Local Similarity 94.1%; Pred. No. 1.4e-02; Length 22;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 1520 ATGGCGGTCAGTCCAG 1536
Db 6 ATGGCGGTCAGTCCAG 22
;
RESULT 72
US-09-101-886B-15
; Sequence 15, Application US/09101886B
; Patent No. 6197507
; GENERAL INFORMATION:
; APPLICANT: BERG, THOMAS
; APPLICANT: TOLLERSRUD, OLE K
; APPLICANT: NILSEN, OIVIND
; TITLE OF INVENTION: GENETIC TEST FOR ALPHA-MANNOSIDOSIS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BARBARA G. ERNST
; STREET: 555 13TH STREET, NW SUITE 701E
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/101,886B
; FILING DATE: 29-JANUARY-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB97/00109
; FILING DATE: 12-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: ERNST, BARBARA G
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1181-240
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-783-6040
; TELEFAX: 202-783-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "oligonucleotide"
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-09-101-886B-15
;
Query Match
; Sequence 15, Application US/09150999A
; Best Local Similarity 85.0%; Pred. No. 1.2e+02; Length 20;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
;
QY 1368 GCGGGCGGGCGGGCGGCGAGA 1387
Db 1 GTGGCGGGCGGGCGGCGAGA 20
;
RESULT 73
US-09-150-999-6/c
; Sequence 6, Application US/09150999A
; Patent No. 6306831
; GENERAL INFORMATION:
```

APPLICANT: ROBERTS, Peter C.
APPLICANT: DRIVER, Samuel E.
TITLE OF INVENTION: TRANSPLACENTAL DELIVERY OF OLIGONUCLEOTIDES
FILE REFERENCE: 109-942-114
CURRENT APPLICATION NUMBER: US/09/150,999A
CURRENT FILING DATE: 1998-09-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Combined DNA/RNA Molecule:M13
OTHER INFORMATION: Description of oligonucleotide
OTHER INFORMATION: Description of Artificial Sequence:synthetic
OTHER INFORMATION: oligonucleotide
US-09-150-999-6

Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 34 CGAGCGGAGCGGAGGAGG 53
DB 20 CGAGCGGAGAGAGGAGCG 1

RESULT 74
US-09-487-253A-7/c
Sequence 7, Application US/09487253A
Patent No. 6399763
GENERAL INFORMATION:
APPLICANT: Leon G.J. FRENKEN
APPLICANT: Cornells P.E. VAN DER LOGT
TITLE OF INVENTION: METHOD FOR PRODUCING ANTIBODY FRAGMENTS
FILE REFERENCE: 60113/266062 - T3076(C)
CURRENT APPLICATION NUMBER: US/09/487,253A
CURRENT FILING DATE: 2000-01-19
PRIOR APPLICATION NUMBER: EP 99300351.6
PRIOR FILING DATE: 1999-01-19
NUMBER OF SEQ ID NOS: 39
SOFTWARE: MS Word
SEQ ID NO 7
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: PRIMER
US-09-487-253A-7

Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 769 CCTGGAGCGGCGGCGACCA 788
DB 20 CCTGGAGCGGCGGCGWACCA 1

RESULT 75
US-09-295-593-8
Sequence 8, Application US/09295593
Patent No. 6417169
GENERAL INFORMATION:
APPLICANT: WRIGHT, Jim A.
APPLICANT: YOUNG, Aiping H.
APPLICANT: LEE, Yoon S.
TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR II ANTISENSE OLIGONUCLEOTIDE
TITLE OF INVENTION: SEQUENCES AND METHODS OF USING SAME TO MODULATE CELL
FILE REFERENCE: 032396-046
CURRENT APPLICATION NUMBER: US/09/295,593

CURRENT FILING DATE: 1999-04-22
EARLIER APPLICATION NUMBER: US 60/082,791
EARLIER FILING DATE: 1998-04-23
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 8
LENGTH: 20
TYPE: DNA
ORGANISM: Human
US-09-295-593-8

Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1540 AAGCGGGGGCGGGGAG 1559
DB 1 ACGTCGAGGGCGGGGAG 20

RESULT 76
US-09-982-465-6/c
Sequence 6, Application US/09982465
Patent No. 6576218
GENERAL INFORMATION:
APPLICANT: Roberts, Peter D.
APPLICANT: Driver, Samuel E.
TITLE OF INVENTION: TRANSPLACENTAL DELIVERY OF OLIGONUCLEOTIDES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mintz Levin Cohn Ferris Glosky and Popeo P.C.
STREET: One Financial Center
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/982,465
FILING DATE: 18-Oct-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/150,999
FILING DATE: 11-Apr-00
APPLICATION NUMBER: 60/058,585
FILING DATE: 12-Sep-97
ATTORNEY/AGENT INFORMATION:
NAME: Elrifi, Ivor R.
REGISTRATION NUMBER: 39,539
REFERENCE/DOCKET NUMBER: QIK-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-6000
TELEFAX: 617-542-2241
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA/RNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-982-465-6

Query Match 1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 34 CGAGCGGAGGAGGAGG 53
Db 20 CGAGCGGAGGAGGAGG 1

RESULT 77
US-08-662-963-9
; Sequence 9, Application US/08662963
; Patent No. 5738993
; GENERAL INFORMATION:
; APPLICANT: Mitsubishi Chemical Corporation
; TITLE OF INVENTION: Oligonucleotide and Method for
; ANALYZING BASE SEQUENCE OF NUCLEIC ACID
; Patent No. 5738993
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., Suite 700
; CITY: Washington, D.C.
; STATE:
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Word Perfect 5.1+
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/662,963
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/392,147
; FILING DATE: February 22, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Matthew Jacob
; REGISTRATION NUMBER: 25,154
; REFERENCE/DOCKET NUMBER: 1416-OP297US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-8850
; TELEFAX: (202) 371-8856
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other...synthetic oligonucleotide
US-08-662-963-9

Query Match 1.0%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 50 AGGAAAGGCGAGAGAGAG 69
Db 1 AGGAAAGGCGAGAGAGAG 20

RESULT 78
US-08-748-591-22
; Sequence 22, Application US/08748591
; Patent No. 5759811
; GENERAL INFORMATION:
; APPLICANT: Epstein, Ervin
; APPLICANT: Hu, Zhilan
; APPLICANT: Bonifas, Jeanette
; TITLE OF INVENTION: Mutant Human Hedgehog Gene
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish and Richardson

; STREET: 2200 Sand Hill Road
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/748,591
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: 06510/067001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 322-5070
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-08-748-591-22

Query Match 0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 221 TCGGACCGGCGAGGGG 238
Db 1 TCGGACCGGCGAGGGG 18

RESULT 79
US-09-205-860-10/c
; Sequence 10, Application US/09205860
; Patent No. 5981732
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
; FILE REFERENCE: RTS-0031
; CURRENT APPLICATION NUMBER: US/09/205,860
; CURRENT FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 10
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-860-10

Query Match 0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1367 CGCGGGCGGCGGCGGC 1384
Db 18 CGAGCGGCGGCGGCGGC 1

RESULT 80
US-09-205-860-13
; Sequence 13, Application US/09205860
; Patent No. 5981732
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsett

; TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION

; FILE REFERENCE: RTS-0031

; CURRENT APPLICATION NUMBER: US/09/205,860

; CURRENT FILING DATE: 1998-12-04

; NUMBER OF SEQ ID NOS: 87

; SEQ ID NO 13

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Antisense Oligonucleotide

US-09-205-860-13

Query Match 0.9%; Score 14.8; DB 1; Length 18;

Best Local Similarity 88.9%; Pred. No. 1.1e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 605 GACCGCGGACGCGGAG 622

|||||

Db 1 GACCGCGGACGCGGAG 18

RESULT 81

US-08-857-946-8

; Sequence 8, Application US/08857946

; Patent No. 5994075

; GENERAL INFORMATION:

; APPLICANT: Goodfellow, P.N.

; TITLE OF INVENTION: METHODS FOR IDENTIFYING A MUTATION IN A

; TITLE OF INVENTION: GENE OF INTEREST

; NUMBER OF SEQUENCES: 162

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Banner & Witcoff, Inc.

; STREET: 75 State Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109-1807

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WordPerfect 6.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/857,946

; Filing DATE: 16-MAY-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/60/017,824

; Filing DATE: 17-MAY-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Kathleen M. Williams

; REGISTRATION NUMBER: 34,380

; REFERENCE/DOCKET NUMBER: 3529/05573

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-345-9100

; TELEFAX: 617-345-9111

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 18 bases

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

US-08-857-946-8

Query Match 0.9%; Score 14.8; DB 1; Length 18;

Best Local Similarity 88.9%; Pred. No. 1.1e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1341 GCGCGGGGACGCGGCG 1358

|||||

Db 1 GCGCGGGGACGCGGCG 18

RESULT 82

US-08-970-740-8

; Sequence 8, Application US/08970740

; Patent No. 6015670

; GENERAL INFORMATION:

; APPLICANT: Goodfellow, P.N.

; TITLE OF INVENTION: METHODS FOR IDENTIFYING A MUTATION IN A

; TITLE OF INVENTION: GENE OF INTEREST

; NUMBER OF SEQUENCES: 162

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Banner & Witcoff, Inc.

; STREET: 28 State Street, 28th Floor

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WordPerfect 6.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/970,740

; Filing DATE: 14-NOV-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/857,946

; Filing DATE: 16-MAY-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/017,824

; Filing DATE: 17-MAY-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Kathleen M. Williams

; REGISTRATION NUMBER: 34,380

; REFERENCE/DOCKET NUMBER: 3529/59829

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-227-7111

; TELEFAX: 617-227-4399

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 18 bases

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

US-08-970-740-8

Query Match 0.9%; Score 14.8; DB 1; Length 18;

Best Local Similarity 88.9%; Pred. No. 1.1e+02;

Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1341 GCGCGGGGACGCGGCG 1358

|||||

Db 1 GCGCGGGGACGCGGCG 18

RESULT 83

US-09-593-323-34

; Sequence 34, Application US/09593323

; Patent No. 6265213

; GENERAL INFORMATION:

; APPLICANT: Morgan, Antony R.

; APPLICANT: Severini, Alberto

; TITLE OF INVENTION: Compositions and Methods for Determining the Activity

; TITLE OF INVENTION: of DNA-Binding Proteins and of Initiation of

; TITLE OF INVENTION: Transcription

; FILE REFERENCE: DNAB-02921

; CURRENT APPLICATION NUMBER: US/09/593,323

; CURRENT Filing DATE: 2000-06-13

; PRIOR APPLICATION NUMBER: 09/344,300

; PRIOR Filing DATE: 1999-06-24

; NUMBER OF SEQ ID NOS: 72

```
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-593-323-34

Query Match
Best Local Similarity 0.9%; Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1359 GCGGGGACCGGGGGCG 1376
| | | | | | | | | | | | | | | |
Db 1 GCGGGGACCGGGGGCG 18

RESULT 84
US-09-594-108-34
; Sequence 34, Application US/09594108
; Patent No. 6284468
; GENERAL INFORMATION:
; APPLICANT: Morgan, Antony R.
; APPLICANT: Severini, Alberto
; TITLE OF INVENTION: Compositions and Methods for Determining the Activity
; TITLE OF INVENTION: of DNA-Binding Proteins and of Initiation of
; TITLE OF INVENTION: Transcription
; FILE REFERENCE: DNAB-02921
; CURRENT APPLICATION NUMBER: US/09/594,108
; CURRENT FILING DATE: 2000-06-13
; PRIOR APPLICATION NUMBER: 09/344,300
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-594-108-34

Query Match
Best Local Similarity 0.9%; Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1359 GCGGGGACCGGGGGCG 1376
| | | | | | | | | | | | | | | |
Db 1 GCGGGGACCGGGGGCG 18

RESULT 85
US-09-344-300-34
; Sequence 34, Application US/09344300B
; Patent No. 6297013
; GENERAL INFORMATION:
; APPLICANT: Morgan, Antony R.
; APPLICANT: Severini, Alberto
; TITLE OF INVENTION: Compositions and Methods for Determining the Activity
; TITLE OF INVENTION: of DNA-Binding Proteins and of Initiation of
; TITLE OF INVENTION: Transcription
; FILE REFERENCE: DNAB-02921
; CURRENT APPLICATION NUMBER: US/09/344,300B
; CURRENT FILING DATE: 1999-06-24
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
```

```
US-09-344-300-34

Query Match
Best Local Similarity 0.9%; Score 14.8; DB 1; Length 18;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1359 GCGGGGACCGGGGGCG 1376
| | | | | | | | | | | | | | | |
Db 1 GCGGGGACCGGGGGCG 18

RESULT 86
US-08-589-939-37/C
; Sequence 37, Application US/08589939
; Patent No. 6015662
; GENERAL INFORMATION:
; APPLICANT: Hackett, Jr., John R.
; APPLICANT: Hoff, Jane A.
; APPLICANT: Ostrow, David H.
; APPLICANT: Golden, Alan M.
; TITLE OF INVENTION: REAGENTS FOR USE AS CALIBRATORS AND
; TITLE OF INVENTION: CONTROLS
; NUMBER OF SEQUENCES: 70
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: US
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/589,939
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 5865.US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847-935-1729
; TELEFAX: 847-938-2623
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-589-939-37

Query Match
Best Local Similarity 0.9%; Score 14.8; DB 1; Length 19;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 526 CGAGCGCTGGGACGAAGA 543
| | | | | | | | | | | | | | | |
Db 19 CGCGGGGTGGGACGAAGA 2

RESULT 87
US-09-009-483A-13
; Sequence 13, Application US/09009483A
; Patent No. 6083699
; GENERAL INFORMATION:
; APPLICANT: Leushner, James
; APPLICANT: Hui, May
; APPLICANT: Dunn, James M.
; APPLICANT: Larson, Marina T.
```

```

; APPLICANT: Lacroix, Jean-Michel
; APPLICANT: Shipman, Robert
; TITLE OF INVENTION: METHOD FOR BI-DIRECTIONAL SEQUENCING OF
; TITLE OF INVENTION: NUCLEIC ACID POLYMERS
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oppedahl & Larson
; STREET: 1992 Commerce Street Suite 309
; CITY: Yorktown
; STATE: NY
; COUNTRY: US
; ZIP: 10598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Word Perfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,483A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Marina T.
; REGISTRATION NUMBER: 32,038
; REFERENCE/DOCKET NUMBER: VGEN.P-049
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 245-3252
; TELEFAX: (914) 962-4330
; TELEX:
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: no
; ANTI-SENSE: yes
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Human
; FEATURE:
; OTHER INFORMATION: primer for sequencing of exon 3 of HLA-C
; OTHER INFORMATION: gene
; US-09-009-483A-13

```

```

Query Match 0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 1.2e-02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 1364 GACCGCGGGGGCGGGCGG 1381
Db 1 GACCGCGGGGGCGGGGCC 18

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RESULT 88
US-07-940-242A-19/c
; Sequence 19, Application US/07940242A
; Patent No. 5427909
; GENERAL INFORMATION:
; APPLICANT: OKAMOTO, Hiroaki
; APPLICANT: NAKAMURA, Tetsuo
; TITLE OF INVENTION: OLIGONUCLEOTIDES AND DETERMINATION
; TITLE OF INVENTION: SYSTEM OF HCV GENOTYPES
; NUMBER OF SEQUENCES: 99
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Beverage, DeGrandi, Weilacher & Young
; STREET: 1850 M Street, N.W. (Suite 800)
; CITY: Washington
; STATE: D.C.

```

```

; COUNTRY: US
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/940,242A
; FILING DATE: 08-SEP-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 307296/91
; FILING DATE: 09-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 093960/92
; FILING DATE: 28-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Weilacher, Robert G.
; REGISTRATION NUMBER: 20,531
; REFERENCE/DOCKET NUMBER: 06/87-48095
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2811
; TELEFAX: (202) 659-1462
; TELEX: WUI 64470
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-07-940-242A-19

```

```

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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```

Qy 119 GACAGCTCGGAGTCATC 136
Db 20 GACCGCTCGGAGTCCTC 3

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RESULT 89
US-08-465-485A-28
; Sequence 28, Application US/08465485A
; Patent No. 5831066
; GENERAL INFORMATION:
; APPLICANT: Reed, John
; TITLE OF INVENTION: Regulation of bcl-2 Gene Expression
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; CITY: Arlington
; STATE: Virginia
; STREET: 1755 S. Jefferson Davis Hwy., Suite 400
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,485A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/124,256
; FILING DATE: 20-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/840,716
; FILING DATE: 21-FEB-1992

```

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/288,692
FILING DATE: 22-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: Fortney, Andrew D.
REGISTRATION NUMBER: 34,600
REFERENCE/DOCKET NUMBER: 3335-070-55 CONT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (408) 436-2070
TELEFAX: (408) 436-2075
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid;
DESCRIPTION: Synthetic DNA
ANTI-SENSE: YES
FEATURE:
NAME/KEY: Modified_base
LOCATION: 18..19
OTHER INFORMATION: Last two internucleoside linkages are
OTHER INFORMATION: phosphorothioates
US-08-465-485A-28

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1371 GCGGCGGCGGCGGCGAG 1388
Db 2 GCGGCGGCGGCGGCGAG 19

RESULT 90
US-09-366-257-11
Sequence 11, Application US/09366257
Patent No. 6030837
GENERAL INFORMATION:
APPLICANT: Robert McKay
APPLICANT: Madeline M. Butler
APPLICANT: Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF PEPCK-MITOCHONDRIAL EXPRESSION
FILE REFERENCE: RTG-0073
CURRENT APPLICATION NUMBER: US/09/366,257
CURRENT FILING DATE: 1999-08-03
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 11
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-366-257-11

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 623 TACGGCATGCTGGCCGCG 640
Db 3 TACGGCATGATGCCAGC 20

RESULT 91
US-09-080-285-28
Sequence 28, Application US/09080285
Patent No. 6040181
GENERAL INFORMATION:
APPLICANT: Reed, John
TITLE OF INVENTION: Regulation of bcl-2 Gene Expression
NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. Jefferson Davis Hwy., Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/080,285
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/465,485
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/124,256
FILING DATE: 20-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/840,716
FILING DATE: 21-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/288,692
FILING DATE: 22-DEC-1988
ATTORNEY/AGENT INFORMATION:
NAME: Fortney, Andrew D.
REGISTRATION NUMBER: 34,600
REFERENCE/DOCKET NUMBER: 3335-070-55 CONT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (408) 436-2070
TELEFAX: (408) 436-2075
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid;
DESCRIPTION: Synthetic DNA
ANTI-SENSE: YES
FEATURE:
NAME/KEY: Modified_base
LOCATION: 18..19
OTHER INFORMATION: Last two internucleoside linkages are
OTHER INFORMATION: phosphorothioates
US-09-080-285-28

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1371 GCGGCGGCGGCGGCGAG 1388
Db 2 GCGGCGGCGGCGGCGAG 19

RESULT 92
US-09-416-756A-4
Sequence 4, Application US/09416756A
Patent No. 6171845
GENERAL INFORMATION:
APPLICANT: Degussa-Huls AG
TITLE OF INVENTION: PROCESS FOR THE PREPARATION OF PANTOTHENIC ACID BY
TITLE OF INVENTION: AMPLIFICATION OF NUCLEOTIDE SEQUENCES WHICH CODE FOR
TITLE OF INVENTION: KETOPANTOATE REDUCTASE
FILE REFERENCE: Elischewski
CURRENT APPLICATION NUMBER: US/09/416,756A
CURRENT FILING DATE: 1999-10-12

;; PRIOR APPLICATION NUMBER: DE 19846499.1
;; PRIOR FILING DATE: 1998-10-09
;; NUMBER OF SEQ ID NOS: 18
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 4
;; LENGTH: 20
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence:PCR primer
US-09-416-756A-4

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 561 AGTCTCTGCACTACGAGG 578
DB 3 AGTCTCTTCACTACCAGG 20

RESULT 93
US-09-488-671-156/c
; Sequence 156, Application US/09488671A
; Patent No. 6187545
; GENERAL INFORMATION:
; APPLICANT: Robert McKay
; APPLICANT: Madeline M. Butler
; APPLICANT: Jacqueline Wyatt
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PEPCCK-CYTOSOLIC EXPRESSION
; FILE REFERENCE: RTS-0123
; CURRENT APPLICATION NUMBER: US/09/488,671A
; CURRENT FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 177
; SEQ ID NO 156
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-488-671-156

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 294 TCCCAATGTGGCGGAGA 311
DB 20 TCACCAACGTGGCGGAGA 3

RESULT 94
US-09-724-426-28
; Sequence 28, Application US/09724426
; Patent No. 6414134
; GENERAL INFORMATION:
; APPLICANT: Reed, John
; TITLE OF INVENTION: Regulation of BCL-2 Gene Expression
; FILE REFERENCE: 10412-024
; CURRENT APPLICATION NUMBER: US/09/724,426
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-724-426-28

Query Match 0.9%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1371 GCGCGCGCGCGCGCAGAG 1388
DB 2 GCGCGCGCGCGCGCAGCG 19

RESULT 95
US-08-410-654B-41/c
; Sequence 41, Application US/08410654B
; Patent No. 5833976
; GENERAL INFORMATION:
; APPLICANT: Rene de Waal Malefyt
; APPLICANT: Di-Hwei Hsu
; APPLICANT: Anne O'Garra
; APPLICANT: Hergeen Spits
; TITLE OF INVENTION: Use of Interleukin-10 to Treat
; TITLE OF INVENTION: Septic Shock
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Schering-Plough Corporation
; STREET: 2000 Galloping Hill Road
; CITY: Kenilworth
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07033
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: 7.5.3
; SOFTWARE: Microsoft Word 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/410,654B
; FILING DATE: 24-MAR-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/229,854
; FILING DATE: 19-APR-1994
; APPLICATION NUMBER: US 07/926,853
; FILING DATE: 06-AUG-1992
; APPLICATION NUMBER: US 07/742,129
; FILING DATE: 06-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Foulke, Cynthia L.
; REGISTRATION NUMBER: 32,364
; REFERENCE/DOCKET NUMBER: DX0221KQ1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-298-2987
; TELEFAX: 908-298-5388
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (oligonucleotide)
US-08-410-654B-41

Query Match 0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
DB 18 GGCCAGCTTGAAGTCAT 1

RESULT 96
US-08-474-851-41/c
; Sequence 41, Application US/08474851
; Patent No. 5837232
; GENERAL INFORMATION:
; APPLICANT: Rene de Waal Malefyt
; APPLICANT: Di-Hwei Hsu

APPLICANT: Anne O'Garra
APPLICANT: Hergen Spits
TITLE OF INVENTION: Use of An Interleukin-10 Antagonist to Treat
TITLE OF INVENTION: A B Cell Mediated Autoimmune Disorder
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: Schering-Plough Corporation
STREET: 2000 Galloping Hill Road
CITY: Kenilworth
STATE: New Jersey
COUNTRY: USA
ZIP: 07033
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: 7.5.3
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,851
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/410,654
FILING DATE: 24-MAR-1995
APPLICATION NUMBER: US 08/229,854
FILING DATE: 19-APR-1994
APPLICATION NUMBER: US 07/926,853
FILING DATE: 06-AUG-1992
APPLICATION NUMBER: US 07/742,129
FILING DATE: 06-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Foulke, Cynthia L.
REGISTRATION NUMBER: 32,364
REFERENCE/DOCKET NUMBER: DX0221KQIGD
TELEPHONE: 908-298-5388
TELEFAX: 908-298-5388
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-474-851-41

Query Match 0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
DB 18 GGCCAGCTTGAAGTCAT 1

RESULT 97
US-08-481-560-41/c
Sequence 41, Application US/08481560
Patent No. 5837293
GENERAL INFORMATION:
APPLICANT: Rene de Waal Malefyt
APPLICANT: Di-Hwei Hsu
APPLICANT: Anne O'Garra
TITLE OF INVENTION: Use of Interleukin-10 to Modulate
TITLE OF INVENTION: Inflammation or T-Cell Mediated
TITLE OF INVENTION: Immune Function
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: Schering-Plough Corporation
STREET: 2000 Galloping Hill Road
CITY: Kenilworth
STATE: New Jersey

COUNTRY: USA
ZIP: 07033
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: 7.5.3
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,560
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/410,654
FILING DATE: 24-MAR-1995
APPLICATION NUMBER: US 08/229,854
FILING DATE: 19-APR-1994
APPLICATION NUMBER: US 07/926,853
FILING DATE: 06-AUG-1992
APPLICATION NUMBER: US 07/742,129
FILING DATE: 06-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Foulke, Cynthia L.
REGISTRATION NUMBER: 32,364
REFERENCE/DOCKET NUMBER: DX0221KQIGC
TELEPHONE: 908-298-5388
TELEFAX: 908-298-5388
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
US-08-481-560-41

Query Match 0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
DB 18 GGCCAGCTTGAAGTCAT 1

RESULT 98
US-08-621-841-15/c
Sequence 15, Application US/08621841
Patent No. 6098869
GENERAL INFORMATION:
APPLICANT: Stanley, Margaret A.
APPLICANT: Scarpini, Cinzia G.
TITLE OF INVENTION: TREATMENT OF PAPILLOMAVIRUS-ASSOCIATED
TITLE OF INVENTION: LESIONS
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/621,841
FILING DATE: 22-MAR-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9505784.0

```

; FILING DATE: 22-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-63316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1389
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; US-08-621-841-15

Query Match          0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 118 GGACAGCTCGGAAGTCAT 135
DB 18 GGCACGCTTGAAGTCAT 1

RESULT 99
US-08-853-980-20
; Sequence 20, Application US/08853980
; Patent No. 6225082
; GENERAL INFORMATION:
; APPLICANT: Carlson, John H.
; APPLICANT: Kwon, Sunjong
; APPLICANT: Aigner, Kevin
; APPLICANT: Avossa, Daniela
; TITLE OF INVENTION: MYELIN BASIC PROTEIN mRNA TRANSPORT AND TRANSLATION
; TITLE OF INVENTION: ENHANCER SEQUENCES
; FILE REFERENCE: RCT
; CURRENT APPLICATION NUMBER: US/08/853,980
; CURRENT FILING DATE: 1997-05-09
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 20
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: mouse PKC alpha
US-08-853-980-20

Query Match          0.9%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 9 GCCAGCGAGGAGAGAGC 26
DB 1 GCCAGCGAGGAGAGAGC 18

RESULT 100
US-08-281-940-45/c
; Sequence 45, Application US/08281940
; Patent No. 5589330
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
; TITLE OF INVENTION: METHOD FOR MULTIPLE ALLELE-SPECIFIC
; TITLE OF INVENTION: DISEASE ANALYSIS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DARBY & DARBY P.C.
; STREET: 805 THIRD AVENUE
; CITY: NEW YORK

```

```

; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/281,940
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LUDWIG, S. PETER
; REGISTRATION NUMBER: 25351
; REFERENCE/DOCKET NUMBER: 0372/09696
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212/527-7700
; TELEFAX: 212/753-6237
; TELEX: 236687
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapien
; IMMEDIATE SOURCE:
; CLONE: R347PN
; US-08-281-940-45

Query Match          0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1514 CTGGCGATCGCGTCA 1529
DB 17 CTGGCGATCGCGTCA 2

RESULT 101
US-08-710-134-45/c
; Sequence 45, Application US/08710134
; Patent No. 5834181
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
; TITLE OF INVENTION: HIGH THROUGHPUT SCREENING METHOD FOR
; TITLE OF INVENTION: SEQUENCES OR GENETIC ALTERATIONS IN NUCLEIC ACIDS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genzyme Corporation
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,134
; FILING DATE: 13-SEP-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: IG5-8.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400

```

```
/ TELEFAX: 508-872-5415
/ INFORMATION FOR SEQ ID NO: 45:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "Oligonucleotides"
US-08-710-134-45
    Query Match          0.9%; Score 14.4; DB 1; Length 17;
    Best Local Similarity 93.8%; Pred. No. 1.1e+02;
    Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1514 CTGGCGCATGGCGGTCA 1529
    ||| ||||| ||||| |||||
Db 17 CTGGCGCATGGCGGTCA 2

RESULT 102
US-08-485-985-45/c
/ Sequence 45, Application US/08485885
/ Patent No. 5849483
/ GENERAL INFORMATION:
/ APPLICANT: SHUBER, ANTHONY P.
/ TITLE OF INVENTION: HIGH THROUGHPUT SCREENING METHOD FOR
/ TITLE OF INVENTION: SEQUENCES OR GENETIC ALTERATIONS IN NUCLEIC ACIDS
/ NUMBER OF SEQUENCES: 65
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Genzyme Corporation
/ STREET: One Mountain Road
/ CITY: Framingham
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 01701
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA: US/08/485,885
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Dugan, Deborah A.
/ REGISTRATION NUMBER: 37,315
/ REFERENCE/DOCKET NUMBER: GEN4-12.1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 508-872-8400
/ TELEFAX: 508-872-5415
/ INFORMATION FOR SEQ ID NO: 45:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "Oligonucleotides"
US-08-485-985-45
    Query Match          0.9%; Score 14.4; DB 1; Length 17;
    Best Local Similarity 93.8%; Pred. No. 1.1e+02;
    Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1514 CTGGCGCATGGCGGTCA 1529
    ||| ||||| ||||| |||||
Db 17 CTGGCGCATGGCGGTCA 2

RESULT 103
US-09-496-694B-99/c
/ Sequence 99, Application US/09496694B
/ Patent No. 6335194
/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ APPLICANT: Elizabeth J. Ackermann
/ APPLICANT: Eric E. Swayze
/ APPLICANT: Lex M. Cowsett
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
/ FILE REFERENCE: ISPH-0439
/ CURRENT APPLICATION NUMBER: US/09/496,694B
/ CURRENT FILING DATE: 2000-02-02
/ PRIOR APPLICATION NUMBER: 09/285,407
/ PRIOR FILING DATE: 1999-04-05
/ PRIOR APPLICATION NUMBER: 09/163,162
/ PRIOR FILING DATE: 1998-09-29
/ NUMBER OF SEQ ID NOS: 249
/ SEQ ID NO 99
/ LENGTH: 18
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-496-694B-99
    Query Match          0.9%; Score 14.4; DB 1; Length 18;
    Best Local Similarity 93.8%; Pred. No. 1.3e+02;
    Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1370 GGGGCGCGCGCGGCA 1385
    ||| ||||| ||||| |||||
Db 18 GGTGGCGCGCGGCGCA 3

RESULT 104
US-08-679-645-1165/c
/ Sequence 1165, Application US/08679645
/ Patent No. 6350934
/ GENERAL INFORMATION:
/ APPLICANT: Zwick, Michael G.
/ APPLICANT: Edington, Brent E.
/ APPLICANT: McSwiggen, James A.
/ APPLICANT: Merlo, Patricia Ann Owens
/ APPLICANT: Guo, Lining
/ APPLICANT: Skokut, Thomas A.
/ APPLICANT: Young, Scott A.
/ APPLICANT: Folkerts, Otto
/ APPLICANT: Merlo, Donald J.
/ TITLE OF INVENTION: COMPOSITION AND METHODS FOR
/ TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
/ NUMBER OF SEQUENCES: 1263
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/679,645
/ FILING DATE: July 12, 1996
/ CLASSIFICATION: 800
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/001,135
/ FILING DATE: July 13, 1995
/ APPLICATION NUMBER: 08/300,726
```

FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1165:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-679-645-1165

Query Match 0.9%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1368 GCGGGGGGGGGGGG 1383
Db 18 GCGGGGGGGGGGGG 3

RESULT 105

US-09-422-978-7120
Sequence 7120, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSEI.020CPI
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 7120
LENGTH: 19
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..19
OTHER INFORMATION: upstream amplification primer 99-24232 for SEQ 3186,
US-09-422-978-7120

Query Match 0.9%; Score 14.4; DB 1; Length 19;
Best Local Similarity 93.8%; Pred. No. 1.5e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 445 GACTCAGAGGTGTAAG 460
Db 4 GACGACAGGTGTAAG 19

RESULT 106

US-09-513-729B-15
Sequence 15, Application US/09513729B
Patent No. 6165791
GENERAL INFORMATION:
APPLICANT: Ian Popoff
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 3 EXPRESSION
FILE REFERENCE: RTS-0112

CURRENT APPLICATION NUMBER: US/09/513,729B
CURRENT FILING DATE: 2000-02-24
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 15
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-513-729B-15

Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1351 CAGCGCGGGGGGAC 1366
Db 4 CAGCGCGGGGGGAC 19

RESULT 107

US-09-593-711A-37
Sequence 37, Application US/09593711A
Patent No. 6271030
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
FILE REFERENCE: RTS-0118
CURRENT APPLICATION NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
NUMBER OF SEQ ID NOS: 244
SEQ ID NO 37
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-37

Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1368 GCGGGGGGGGGGCGG 1383
Db 5 GCGGGGGGGGGGCGG 20

RESULT 108

US-09-593-711A-127/c
Sequence 127, Application US/09593711A
Patent No. 6271030
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
FILE REFERENCE: RTS-0118
CURRENT APPLICATION NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
NUMBER OF SEQ ID NOS: 244
SEQ ID NO 127
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-127

Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1.7e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 883 CGACGAGCGGCCCAAG 898
Db 16 CGACTACGGCCCAAG 1

RESULT 109

US-09-593-711A-128/c
; Sequence 128, Application US/09593711A
; Patent No. 6271030

; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia

; APPLICANT: Madeline M. Butler
; APPLICANT: Jacqueline Wyatt

; TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
; FILE REFERENCE: RTS-0118

; CURRENT APPLICATION NUMBER: US/09/593,711A
; CURRENT FILING DATE: 2000-06-14

; NUMBER OF SEQ ID NOS: 244
; SEQ ID NO 128

; LENGTH: 20
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-128

Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1.7e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 883 CGACGAGCGGCCCAAG 898
Db 20 CGACTACGGCCCAAG 5

RESULT 110

US-09-702-246-11/c
; Sequence 11, Application US/09702246

; Patent No. 6383809
; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsert

; TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOKINESIN-1 EXPRESSION
; FILE REFERENCE: RTS-0195

; CURRENT APPLICATION NUMBER: US/09/702,246
; CURRENT FILING DATE: 2000-10-30

; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 11

; LENGTH: 20
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Antisense Oligonucleotide
US-09-702-246-11

Query Match 0.9%; Score 14.4; DB 1; Length 20;
Best Local Similarity 93.8%; Pred. No. 1.7e+02;

Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 32 GCGAGCGCGGCGG 47
Db 19 GCGAGCGCGGCGG 4

RESULT 111

US-08-860-635A-12/c
; Sequence 12, Application US/08860635A

; Patent No. 6143878
; GENERAL INFORMATION:

; APPLICANT: Koopman, Peter
; APPLICANT: Goodfellow, Peter

; TITLE OF INVENTION: SOX-9 GENE AND PROTEIN AND
; TITLE OF INVENTION: USE IN THE REGENERATION OF BONE OR CARTILAGE
; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser

; STREET: 400 Garden City Plaza
; CITY: Garden City

; STATE: NY
; COUNTRY: U.S.A.

; ZIP: 11530
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/860,635A

; FILING DATE: 29-MAY-1997
; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PM9714

; FILING DATE: 29-NOV-1994
; APPLICATION NUMBER: AU PM9835

; FILING DATE: 05-DEC-1994
; APPLICATION NUMBER: PCT/AU95/00799

; FILING DATE: 29-NOV-1995
; ATTORNEY/AGENT INFORMATION:

; NAME: Digiglio, Frank S.
; REGISTRATION NUMBER: 31,346

; REFERENCE/DOCKET NUMBER: 10981
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 516-742-4343
; TELEFAX: 516-742-4366

; TELEX:
; INFORMATION FOR SEQ ID NO: 12:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs

; TYPE: nucleic acid
; STRANDEDNESS: single

; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

US-08-860-635A-12

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.6e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 850 GCTCTACGCGACTTCCTC 858
Db 19 GTCTTCACCGACTTCCTC 1

RESULT 112

US-08-348-548-106/c
; Sequence 106, Application US/08348548

; Patent No. 6258529
; GENERAL INFORMATION:

; APPLICANT: Berdoz, Jose
; APPLICANT: Kraehenbuhl, Jean Pierre

; TITLE OF INVENTION: PCR AMPLIFICATION OF REARRANGED GENOMIC
; TITLE OF INVENTION: VARIABLE REGIONS OF IMMUNOGLOBULIN GENES

; NUMBER OF SEQUENCES: 108
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street, Suite 3100

; CITY: Boston
; STATE: MA

; COUNTRY: USA
; ZIP: 02110-2804

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/348,548
FILING DATE: 01-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 06132/009001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-5070
TELEX: 200154
INFORMATION FOR SEQ ID NO: 106:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-348-548-106

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1198 GGCCACAGGCACCATCTC 1216
DB 19 GGGCCAGGCACCATCTC 1

RESULT 113
US-09-281-476-12/c
Sequence 12, Application US/09281476
Patent No. 6316597
GENERAL INFORMATION:
APPLICANT: Koopman, Peter
APPLICANT: Goodfellow, Peter
TITLE OF INVENTION: SOX-9 GENE AND PROTEIN AND
TITLE OF INVENTION: USE IN THE REGENERATION OF BONE OR CARTILAGE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: NY
COUNTRY: U.S.A.
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/281,476
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/860,635
FILING DATE:
APPLICATION NUMBER: AU PM9835
FILING DATE: 05-DEC-1994
APPLICATION NUMBER: PCT/AU95/00799
FILING DATE: 29-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Digiglio, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 10981
TELECOMMUNICATION INFORMATION:
TELEPHONE: 516-742-4343
TELEFAX: 516-742-4366
TELEX:
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:

LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-281-476-12

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 850 GCTCTACAGGCACCATCTC 868
DB 19 GTTCTTCCCGACTTCTC 1

RESULT 114
PCT-US95-15716-106/c
Sequence 106, Application PC/TUS9515716
GENERAL INFORMATION:
APPLICANT: Berdoz, Jose
APPLICANT: Kraehenbuhl, Jean Pierre
TITLE OF INVENTION: PCR AMPLIFICATION OF REARRANGED GENOMIC
TITLE OF INVENTION: VARIABLE REGIONS OF IMMUNOGLOBULIN GENES
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street, Suite 3100
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/15716
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,548
FILING DATE: 01-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 06132/009001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-5070
TELEX: 200154
INFORMATION FOR SEQ ID NO: 106:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
PCT-US95-15716-106

Query Match 0.9%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1198 GGCCACAGGCACCATCTC 1216
DB 19 GGGCCAGGCACCATCTC 1

RESULT 115
US-07-626-618A-10/c
Sequence 10, Application US/07626618A
Patent No. 5422265

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: 1SPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-08-136-811-23

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. NO. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels

QY 1293 GCGTCGCGCACGCGTCTCT 1311
|||||
DB 1 GCGAGGCTACGCGTGTCT 19

RESULT 117
US-08-219-842-62/c
; Sequence 62, Application US/08219842
; Patent No. 5565323
; GENERAL INFORMATION:
; APPLICANT: Parker, W. D.
; APPLICANT: Herrstadt, Corinna
; TITLE OF INVENTION: Diagnostic and Therapeutic Compositions
; TITLE OF INVENTION: for Alzheimer's Disease
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/219,842
; FILING DATE: 30-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-AG 9504
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-219-842-62

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. NO. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels

```

```
QY 656 GGCTTCGACTGGGTGACT 674
Db 19 GGCTTCAACCGGAGTACT 1

RESULT 118
US-08-219-842-95
; Sequence 95, Application US/08219842
; Patent No. 5585323
; GENERAL INFORMATION:
; APPLICANT: Parker, W. D.
; APPLICANT: Herinstdt, Corinna
; TITLE OF INVENTION: Diagnostic and Therapeutic Compositions
; TITLE OF INVENTION: for Alzheimer's Disease
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/219,842
; FILING DATE: 30-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-AG 9504
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 95:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-219-842-95

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 656 GGCTTCGACTGGGTGACT 674
Db 2 GGCTTCAACCGGAGTACT 20

RESULT 119
US-08-333-977-10/c
; Sequence 10, Application US/08333977
; Patent No. 5594108
; GENERAL INFORMATION:
; APPLICANT: Van Tol, Hubert H.M.
; APPLICANT: Civeilli, Olivier
; TITLE OF INVENTION: A No. 5594108a1 Human Dopamine Receptor and Uses
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti & Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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```
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/333,977
FILING DATE: 03-NOV-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/626,618
FILING DATE: 7 DEC 1990
ATTORNEY/AGENT INFORMATION:
NAME: No. 5594108nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1092
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
TELEX: 810-221-8317
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-333-977-10

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1355 GGCGCGGGGACCGCGGGG 1373
Db 20 GGCGCGAGGACCCCGGGG 2

RESULT 120
US-08-507-431-35/c
; Sequence 35, Application US/08507431
; Patent No. 5693518
; GENERAL INFORMATION:
; APPLICANT: Kofod, Lene V.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Christgau, Stephan
; APPLICANT: Heldt-Hansen, Hans P.
; APPLICANT: Dalboge, Henrik
; APPLICANT: Andersen, Lene N.
; APPLICANT: Si, Joan Q.
; APPLICANT: Jacobson, Tina
; APPLICANT: Munk, Niels
; APPLICANT: Mullertz, Anette
; TITLE OF INVENTION: ENZYMES WITH XYLANASE ACTIVITY FROM
; TITLE OF INVENTION: ASPERGILLUS ACULEATUS
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5693518o No. 5693518disk of No. 5693518th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/507,431
; FILING DATE: 15-FEB-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,800
; FILING DATE: 25-AUG-1996
```

ATTORNEY/AGENT INFORMATION:
NAME: Harrington, James J.
REGISTRATION NUMBER: 38,711
REFERENCE/DOCKET NUMBER: 3954.204-US
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-507-431-35

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1373 GCGCGCGCGCGCAGAGTAG 1391
DB 20 GCGCGCGCGCGCAGCGAAG 2

RESULT 121
US-08-451-096-62/c
Sequence 62, Application US/08451096
Patent No. 5760205
GENERAL INFORMATION:
APPLICANT: Parker, W. D.
APPLICANT: HerrinStadt, Corinna
TITLE OF INVENTION: Diagnostic and Therapeutic Compositions
TITLE OF INVENTION: for Alzheimer's Disease
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/451.096
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/219,842
FILING DATE: 30-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-AG 9504
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 62:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-451-096-62

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 656 GCGTCGACTGGGTGTACT 674
DB 19 GCGTTCACCGGGAGTACT 1

RESULT 122
US-08-451-096-95
Sequence 95, Application US/08451096
Patent No. 5760205
GENERAL INFORMATION:
APPLICANT: Parker, W. D.
APPLICANT: HerrinStadt, Corinna
TITLE OF INVENTION: Diagnostic and Therapeutic Compositions
TITLE OF INVENTION: for Alzheimer's Disease
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/451.096
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/219,842
FILING DATE: 30-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-AG 9504
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 95:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-451-096-95

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 656 GCGTCGACTGGGTGTACT 674
DB 2 GCGTTCACCGGGAGTACT 20

RESULT 123
US-08-835-770-23
Sequence 23, Application US/08835770
Patent No. 5801154
GENERAL INFORMATION:
APPLICANT: Edgardo Baracchini, Jr., C. Frank Bennett
APPLICANT: and Nicholas M. Dean
TITLE OF INVENTION: Oligonucleotide Modulation of Multidrug
TITLE OF INVENTION: Resistance-Associated Protein
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ

COUNTRY: USA
ZIP: 08002
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/835,770
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/136,811
FILING DATE: 10/18/93
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/628,731
FILING DATE: 04/16/96
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0208
TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: Yes
US-08-835-770-23

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1293 GCCTGGCGCACGGCTCCT 1311
Db 1 GCCAGGCTCAGCGCTGCT 19

RESULT 124
US-08-628-731-23
Sequence 23, Application US/08628731
Patent No. 5807838
GENERAL INFORMATION:
APPLICANT: Baracchini, Jr., Edgardo and Bennett,
APPLICANT: Clarence Frank
TITLE OF INVENTION: Oligonucleotide Interference with
TITLE OF INVENTION: Multidrug Resistance
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESS: Law Offices of Jane Massey Licata
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ
COUNTRY: USA
ZIP: 08002
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/628,731
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/136,811
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata

COUNTRY: USA
ZIP: 08002
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/835,770
FILING DATE: Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/136,811
FILING DATE: 10/18/93
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/628,731
FILING DATE: 04/16/96
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0208
TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: Yes
US-08-835-770-23

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1293 GCCTGGCGCACGGCTCCT 1311
Db 1 GCCAGGCTCAGCGCTGCT 19

RESULT 125
US-08-609-443B-45/C
Sequence 45, Application US/08609443B
Patent No. 5840693
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESS: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,443B
FILING DATE: 01-MAR-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/569,063
FILING DATE: 06-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

```
; MOLECULE TYPE: DNA (genomic)
US-08-609-443B-45
Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1331 CGCAGCGACGGCGGGG 1349
Db 19 CGCAGCTACCTGGCGGGG 1

RESULT 126
US-08-488-940-12/c
; Sequence 12, Application US/08488940
; Patent No. 5854049
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; TITLE OF INVENTION: PLASMIN-RESISTANT STREPTOKINASE
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,940
; FILING DATE: 09-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Fraser, Janis K.
; REGISTRATION NUMBER: 34,819
; REFERENCE/DOCKET NUMBER: 05433/009001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-488-940-12

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 960 ACCTGCTCTTTGTGGCGCC 978
Db 19 ACCTGCTCATGGAGCGCC 1

RESULT 127
US-08-223-355-23/c
; Sequence 23, Application US/08223355
; Patent No. 5854410
; GENERAL INFORMATION:
; APPLICANT: Arnold Jr., Lyle J.
; APPLICANT: Reynolds, Mark A.
; APPLICANT: Schwartz, David J.
; APPLICANT: Daily, William J.
; TITLE OF INVENTION: Oligonucleoside Cleavage Compounds and
; THERAPIES

; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 W. Sixth St.
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/223,355
; FILING DATE: 31-MAR-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Meier, Paul H.
; REGISTRATION NUMBER: 32,274
; REFERENCE/DOCKET NUMBER: 200/069
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213/489-1600
; TELEFAX: 213/955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: Yes
; ANTI-SENSE: No
; FEATURE:
; NAME/KEY: R183
; OTHER INFORMATION: target strand
US-08-223-355-23

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 11 CAGCGAGGGAGAGCGAG 29
Db 20 CAGAGAGAGAGAGAGAG 2

RESULT 128
US-08-470-426B-30/c
; Sequence 30, Application US/08470426B
; Patent No. 5856458
; GENERAL INFORMATION:
; APPLICANT: Okamoto, Hiroaki
; APPLICANT: Nakamura, Tetsuo
; TITLE OF INVENTION: OLIGONUCLEOTIDE PRIMERS, AND THEIR
; APPLICATION FOR HIGH-FIDELITY DETECTION OF NON-A, NON-B
; HEPATITIS VIRUS
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Beveridge, DeGrandi, Weilacher & Young,
; ADDRESS: L.L.P.
; STREET: 1850 M Street, N.W., Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/08/470,426B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA: JP 2-153402
FILING DATE: 12-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Weillacher, Robert G.
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 06/59-47083.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 659-2811
TELEFAX: (202) 659-1482
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-470-426B-30

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 117 GCGACGCTCGGAGTCAT 135
DB 19 GCGACGCTCGGAGTCTT 1

RESULT 129
US-08-887-365-17/c
Sequence 17, Application US/08087365
Patent No. 5858760

GENERAL INFORMATION:
APPLICANT: Dalboe, Henrik
APPLICANT: Kofod, Lene V.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Andersen, Lene N.
APPLICANT: Christgau, Stephan
APPLICANT: Heldt-Hansen, Hans P.
TITLE OF INVENTION: AN ENZYME WITH PECTIN LYASE ACTIVITY
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 58587600 No. 5858760disk of No. 5858760th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,365
FILING DATE: 02-JUL-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/513,928
FILING DATE: 26-SEP-1995

ATTORNEY/AGENT INFORMATION:
NAME: Harrington, James J.
REGISTRATION NUMBER: 38,711
REFERENCE/DOCKET NUMBER: 3955.204-US

TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-887-365-17

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 816 ACCGCGTCTGGCGGCGGA 834
DB 20 ACGACGCTGCTGGCGGCGGA 2

RESULT 130
US-08-889-296A-20/c
Sequence 20, Application US/08889296A
Patent No. 5872242

GENERAL INFORMATION:
APPLICANT: Monia, B.P., Cowser, L.M. and Manoharan, M.
TITLE OF INVENTION: Antisense Oligonucleotide
TITLE OF INVENTION: Inhibition of ras
NUMBER OF SEQUENCES: 55
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jane Massey Licata
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ
COUNTRY: USA
ZIP: 08002

COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/889,296A
FILING DATE: herewith
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/411,734
FILING DATE: April 3, 1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/09346
FILING DATE: October 1, 1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 958,134
FILING DATE: October 5, 1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/007,996
FILING DATE: January 21, 1993

ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0213

TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: Yes
US-08-889-296A-20

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGGCGGCGGCGGAG 1386

Db 19 GCCGGCGCGCGGAGCAG 1

RESULT 131

US-08-902-655A-35/C
; Sequence 35, Application US/08902655A
; Patent No. 5885819
; GENERAL INFORMATION:
; APPLICANT: Kofod, Lene V.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Christgau, Stephan
; APPLICANT: Heldt-Hansen, Hans P.
; APPLICANT: Dalboge, Henrik
; APPLICANT: Andersen, Lene N.
; APPLICANT: Si, Joan Q.
; APPLICANT: Jacobson, Tina
; APPLICANT: Munk, Niels
; APPLICANT: Mullertz, Anette
; TITLE OF INVENTION: ENZYMS WITH XYLANASE ACTIVITY FROM
; TITLE OF INVENTION: ASPERGILLUS ACULEATUS
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5885819c No. 5885819disk of No. 5885819th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/902,655A
; FILING DATE: 30-July-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Agis, Cheryl T.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3954.214-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-902-655A-35

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1373 GCCGGCGCGCGGAGTAG 1391

Db 20 GCCGGCGCGCGGAGCAG 2

RESULT 132

US-08-848-840A-20/C
; Sequence 20, Application US/08848840A
; Patent No. 5965722
; GENERAL INFORMATION:
; APPLICANT: Monia, et al.
; TITLE OF INVENTION: ANTISENSE INHIBITION OF ras GENE WITH
; TITLE OF INVENTION: CHIMERIC AND ALTERNATING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5965722 is LLP

STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/848,840A
FILING DATE: 30-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/317,289
FILING DATE: 03-OCT-1994
APPLICATION NUMBER: 08/794,493
FILING DATE: 04-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/335,046
FILING DATE: 07-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/488,256
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/465,866
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/468,037
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/411,734
FILING DATE: 03-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/227,180
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Joseph Lucci
REGISTRATION NUMBER: 33,307
REFERENCE/DOCKET NUMBER: ISIS-2458
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-848-840A-20

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCCGGCGCGCGGAGCAG 1386

Db 19 GCCGGCGCGCGGAGCAG 1

RESULT 133

US-08-874-186-48
; Sequence 48, Application US/08874186
; Patent No. 5989885
; GENERAL INFORMATION:
; APPLICANT: Teng, David H-F.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Perry III, William L.
; APPLICANT: Skolnick, Mark H.
; TITLE OF INVENTION: SPECIFIC MUTATIONS OF MAP KINASE KINASE
; TITLE OF INVENTION: 4 (MKK4) IN HUMAN TUMOR CELL LINES IDENTIFY IT AS A TUMOR

;/ TITLE OF INVENTION: SUPPRESSOR IN VARIOUS TYPES OF CANCER
;/ NUMBER OF SEQUENCES: 96
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
;/ STREET: 1201 New York Avenue, N.W., Suite 1000
;/ CITY: Washington
;/ STATE: DC
;/ COUNTRY: U.S.A.
;/ ZIP: 20005
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/874,186
;/ FILING DATE:
;/ CLASSIFICATION: 435
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US 08/782,482
;/ FILING DATE: 10-JAN-1997
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Saxe, Stephen A.
;/ REGISTRATION NUMBER: 38,609
;/ REFERENCE/DOCKET NUMBER: 24884-121392-01
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: 202-962-4848
;/ TELEFAX: 202-962-8300
;/ INFORMATION FOR SEQ ID NO: 48:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 20 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: other nucleic acid
;/ DESCRIPTION: /desc = "Primer."
;/ US-08-874-186-48

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 11 CAGCGAGGAGGAGGAGGAG 29
DB 1 CCGGAGGAGGAGGAGGAG 19

RESULT 134
US-09-366-257-27
;/ Sequence 27, Application US/09366257
;/ Patent No. 6030837
;/ GENERAL INFORMATION:
;/ APPLICANT: Robert McKay
;/ APPLICANT: Madeline M. Butler
;/ APPLICANT: Lex M. Cowsett
;/ TITLE OF INVENTION: ANTISENSE MODULATION OF PEPCK-MITOCHONDRIAL EXPRESSION
;/ FILE REFERENCE: RIS-0073
;/ CURRENT APPLICATION NUMBER: US/09/366,257
;/ CURRENT FILING DATE: 1999-08-03
;/ NUMBER OF SEQ ID NOS: 47
;/ SEQ ID NO 27
;/ LENGTH: 20
;/ TYPE: DNA
;/ ORGANISM: Artificial Sequence
;/ FEATURE:
;/ OTHER INFORMATION: Antisense Oligonucleotide
;/ US-09-366-257-27

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 636 CCGCCTGGCGGTGGAGGC 654

DB 2 CCAGCCTGGCAGTGCAGGC 20
RESULT 135
US-09-116-622-35/C
;/ Sequence 35, Application US/09116622
;/ Patent No. 6080567
;/ GENERAL INFORMATION:
;/ APPLICANT: Kofod, Lene V.
;/ APPLICANT: Kauppinen, Markus S.
;/ APPLICANT: Christgau, Stephan
;/ APPLICANT: Heldt-Hansen, Hans P.
;/ APPLICANT: Dalboge, Henrik
;/ APPLICANT: Andersen, Lene N.
;/ APPLICANT: Si, Joan Q.
;/ APPLICANT: Jacobson, Tina
;/ APPLICANT: Munk, Niels
;/ APPLICANT: Mullertz, Anette
;/ TITLE OF INVENTION: ENZYMES WITH XYLANASE ACTIVITY FROM
;/ TITLE OF INVENTION: ASPERGILLUS ACULEATUS
;/ NUMBER OF SEQUENCES: 42
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: NO. 6080567C No. 6080567disk of No. 6080567th America, Inc.
;/ STREET: 405 Lexington Avenue, 64th Floor
;/ CITY: New York
;/ STATE: New York
;/ COUNTRY: United States of America
;/ ZIP: 10174-6401
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/116,622
;/ FILING DATE: 16-July-1998
;/ CLASSIFICATION:
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Agtis, Cheryl H.
;/ REGISTRATION NUMBER: 34,086
;/ REFERENCE/DOCKET NUMBER: 3954.224-US
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: 212-867-0123
;/ TELEFAX: 212-878-9655
;/ INFORMATION FOR SEQ ID NO: 35:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 20 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: CDNA
;/ US-09-116-622-35

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1373 GGCGCGCGCGCAGAGTAG 1391
DB 20 GGCGCGCGCGCAGCGAAG 2

RESULT 136
US-08-961-469A-28/c
;/ Sequence 28, Application US/08961469A
;/ Patent No. 6083923
;/ GENERAL INFORMATION:
;/ APPLICANT: Greg Hardee, Richard Geary, Arthur Levin,
;/ APPLICANT: Mike Templin, Randy Howard, Rahul Mehta
;/ TITLE OF INVENTION: LIPOSOMAL OLIGONUCLEOTIDE COMPOSITIONS
;/ NUMBER OF SEQUENCES: 61
;/ CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: PENTIUM
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361.469A
; FILING DATE: October 31, 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0219
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-779-2400
; TELEFAX: 609-810-1454
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-08-961-469A-28

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGGCGGCAG 1386
DB 19 GCCGGCGGGCGGAGCAG 1

RESULT 137
US-09-128-494-20/c
; Sequence 20, Application US/09128494
; Patent No. 6117848
; GENERAL INFORMATION:
; APPLICANT: Monia, B.P., Cowser, L.M. and Manoharan, M.
; TITLE OF INVENTION: Antisense Oligonucleotide
; TITLE OF INVENTION: Inhibition of ras
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/128,494
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/889,296
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/411,734

; ADDRESSSEE: Jane Massey Licata, Esq.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: PENTIUM
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361.469A
; FILING DATE: October 31, 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0213
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-09-128-494-20

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGGCGGCAG 1386
DB 19 GCCGGCGGGCGGAGCAG 1

RESULT 138
US-09-435-296-56/c
; Sequence 56, Application US/09435296
; Patent No. 6171860
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF RANK EXPRESSION
; FILE REFERENCE: RTS-0116
; CURRENT APPLICATION NUMBER: US/09/435,296
; CURRENT FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
; US-09-435-296-56

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGGCGGCAG 1386
DB 19 GAGGGCGGGCGGGCGCTG 1

RESULT 139
US-09-280-805-42/c
; Sequence 42, Application US/09280805
; Patent No. 6184212
; GENERAL INFORMATION:
; APPLICANT: Loren J. Miraglia, Pamela Nero, Mark J.
; APPLICANT: Graham, Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF HUMAN MDW2
; TITLE OF INVENTION: EXPRESSION

```

NUMBER OF SEQUENCES: 271
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
CITY: Marlton
STATE: NJ
COUNTRY: U.S.A.
ZIP: 08053
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM PC
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/280,805
FILING DATE: herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/048,810
FILING DATE: March 26, 1998
ATTORNEY/AGENT INFORMATION:
NAME: Licata, Jane Massey
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPR-0346
TELEPHONE: 609-810-1515
TELEFAX: 609-810-1454
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: Yes
US-09-280-805-42

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 144 TGGCGGAGATGCTGCTGCT 162
DB 20 TGACCGAGATCCTGCTGCT 2

RESULT 140
US-09-517-584A-19/c
Sequence 19, Application US/09517584A
Patent No. 6187587
GENERAL INFORMATION:
APPLICANT: Ian Popoff
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Lex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF B2F TRANSCRIPTION FACTOR 1 EXPRESSION
FILE REFERENCE: RTS-0121
CURRENT APPLICATION NUMBER: US/09/517,584A
CURRENT FILING DATE: 2000-03-22
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 19
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-584A-19

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1123 CGCGCGCTCTGCGCCGCC 1141
DB 20 CGCGCGCTCTGCGCCGCC 2

RESULT 141
US-09-219-277-35/c
Sequence 35, Application US/09219277
Patent No. 6197564
GENERAL INFORMATION:
APPLICANT: Kofod, Lene V.
APPLICANT: Kauppinen, Markku S.
APPLICANT: Christgau, Stephan
APPLICANT: Heldt-Hansen, Hans P.
APPLICANT: Dalboge, Henrik
APPLICANT: Andersen, Lene N.
APPLICANT: Si, Joan Q.
APPLICANT: Jacobson, Tina
APPLICANT: Munk, Niels
APPLICANT: Mullertz, Anette
TITLE OF INVENTION: ENZYMES WITH XYLANASE ACTIVITY FROM
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6197564o No. 6197564disk of No. 6197564th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/219,277
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/116,622
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Agis, Cheryl H.
REGISTRATION NUMBER: 34,086
REFERENCE/DOCKET NUMBER: 3954.224-US
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-09-219-277-35

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1373 GCGCGCGCGGCGAGTAG 1391
DB 20 GCGCGCGCGGCGAGTAG 2

RESULT 142
US-08-983-456-29
Sequence 29, Application US/08983466
Patent No. 6207372
GENERAL INFORMATION:
APPLICANT: SHUBER, ANTHONY P.
TITLE OF INVENTION: UNIVERSAL PRIMER SEQUENCE FOR MULTIPLEX
DNA AMPLIFICATION
NUMBER OF SEQUENCES: 95

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: RAE-VENTER LAW GROUP
;; STREET: 260 Sheridan Ave., Ste. 440
;; City: Palo Alto
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94306
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/983,466
;; FILING DATE: 10-FEB-1998
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/474,450
;; FILING DATE: 07-JUNE-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: WO96/41012
;; FILING DATE: 06-JUNE-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Rae-Venter, Barbara
;; REGISTRATION NUMBER: 32,750
;; REFERENCE/DOCKET NUMBER: GECO.001.01US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (650) 328-4400
;; TELEFAX: (650) 328-4477
;; INFORMATION FOR SEQ ID NO: 29:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: other nucleic acid
;; DESCRIPTION: /desc = "Oligonucleotide primer"
US-08-983-466-29

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1344 GCGGGACACGCGCGCGG 1362
|||||
Db 2 GCGGGCCCGCGCGCGG 20

RESULT 143
US-09-599-661-35/c
; Sequence 35, Application US/09599661
; Patent No. 6228630
; GENERAL INFORMATION:
; APPLICANT: Kofod, Lene V.
; APPLICANT: Kauppinen, Markus S.
; APPLICANT: Christgau, Stephan
; APPLICANT: Heldt-Hansen, Hans P.
; APPLICANT: Dalboge, Henrik
; APPLICANT: Andersen, Lene N.
; APPLICANT: Si, Joan Q.
; APPLICANT: Jacobson, Tina
; APPLICANT: Munk, Niels
; APPLICANT: Mullertz, Anette
; TITLE OF INVENTION: ENZYMES WITH XYLANASE ACTIVITY FROM
; TITLE OF INVENTION: ASPERGILLUS ACULEATUS
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6228630 No. 6228630disk of No. 6228630th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; City: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401

;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/599,661
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/116,622
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Agtis, Cheryl H.
;; REGISTRATION NUMBER: 34,086
;; REFERENCE/DOCKET NUMBER: 3954.224-US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 212-867-0123
;; TELEFAX: 212-878-9655
;; INFORMATION FOR SEQ ID NO: 35:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: CDNA
US-09-599-661-35

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1373 GCGCGCGCGCGCGAGTAG 1391
|||||
Db 20 GCGCGCGCGCGCGAG 2

RESULT 144
US-09-467-082-13
; Sequence 13, Application US/09467082
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
; FILE REFERENCE: RTS-0088
; CURRENT APPLICATION NUMBER: US/09/467,082
; CURRENT FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 13
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-082-13

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1365 ACCGCGCGCGCGCGCGG 1383
|||||
Db 2 ATCGCGCGCGCGCGCGG 20

RESULT 145
US-09-467-082-22
; Sequence 22, Application US/09467082
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
; FILE REFERENCE: RTS-0088

; CURRENT APPLICATION NUMBER: US/09/467,082
 ; CURRENT FILING DATE: 1999-12-17
 ; NUMBER OF SEQ ID NOS: 49
 ; SEQ ID NO 22
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Antisense Oligonucleotide
 US-09-467-082-22

Query Match 0.9%; Score 14.2; DB 1; Length 20;
 Best Local Similarity 84.2%; Pred. No. 1.9e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1376 GCGCGGGCAGAGTAGCC 1394
 Db 1 GCGCGGGCAGAGTAGCC 19

RESULT 146
 US-09-326-186B-154/c
 ; Sequence 154, Application US/09326186B
 ; Patent No. 6319906
 ; GENERAL INFORMATION:
 ; APPLICANT: Bennett, Clarence Frank
 ; APPLICANT: Vickers, Timothy A.
 ; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
 ; TITLE OF INVENTION: Modulation of the Expression of B7 Protein
 ; FILE REFERENCE: ISPR-0376
 ; CURRENT APPLICATION NUMBER: US/09/326,186B
 ; CURRENT FILING DATE: 1999-06-04
 ; PRIOR APPLICATION NUMBER: 08/777,266
 ; PRIOR FILING DATE: 1996-12-31
 ; NUMBER OF SEQ ID NOS: 226
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 154
 ; LENGTH: 20
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic
 US-09-326-186B-154

Query Match 0.9%; Score 14.2; DB 1; Length 20;
 Best Local Similarity 84.2%; Pred. No. 1.9e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 898 GAAGTCTTCTAGTGATC 916
 Db 19 GAAGTGTCTTCTGAGC 1

RESULT 147
 US-08-851-896-45/c
 ; Sequence 45, Application US/08851896
 ; Patent No. 6331301
 ; GENERAL INFORMATION:
 ; APPLICANT: ERIKSSON, Ulf
 ; APPLICANT: OLOFSSON, Birgitta
 ; APPLICANT: ALITALO, Kari
 ; APPLICANT: PATUSOLA, Katri
 ; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
 ; TITLE OF INVENTION: DNA CODING THEREFOR
 ; NUMBER OF SEQUENCES: 57
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
 ; STREET: 1200 G Street, N.W., Suite 700
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA: US/08/851,896
 ; APPLICATION NUMBER: US/08/851,896
 ; FILING DATE: 06-MAY-1997
 ; PRIOR APPLICATION NUMBER: US/08/609,443B
 ; FILING DATE: 01-MAR-1996
 ; APPLICATION NUMBER: US 08/397,651
 ; FILING DATE: 01-MAR-1995
 ; PRIOR APPLICATION DATA: US 09/469,427
 ; FILING DATE: 06-JUN-1995
 ; APPLICATION NUMBER: US 08/569,063
 ; FILING DATE: 06-DEC-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: EVANS, Joseph D
 ; REGISTRATION NUMBER: 26,269
 ; REFERENCE/DOCKET NUMBER: 1064/41979CP4
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 628-8800
 ; TELEFAX: (202) 628-8844
 ; INFORMATION FOR SEQ ID NO: 45:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 US-08-851-896-45

Query Match 0.9%; Score 14.2; DB 1; Length 20;
 Best Local Similarity 84.2%; Pred. No. 1.9e+02;
 Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1331 CGCAGCGACCGCGCGGG 1349
 Db 19 CGCAGTACCTGGCGGGG 1

RESULT 148
 US-09-248-386-20/c
 ; Sequence 20, Application US/09248386
 ; Patent No. 6359124
 ; GENERAL INFORMATION:
 ; APPLICANT: Monia, Brett P
 ; APPLICANT: Freier, Susan M
 ; APPLICANT: Sanghvi, Yogesh S
 ; APPLICANT: Cook, Phillip D
 ; APPLICANT: Ecker, David J
 ; TITLE OF INVENTION: Antisense Inhibition of RAS Gene with Chimeric and
 ; TITLE OF INVENTION: Alternating Oligonucleotides
 ; FILE REFERENCE: ISIS3350
 ; CURRENT APPLICATION NUMBER: US/09/248,386
 ; CURRENT FILING DATE: 1999-01-12
 ; EARLIER APPLICATION NUMBER: 08/848,840
 ; EARLIER FILING DATE: 1997-04-30
 ; EARLIER APPLICATION NUMBER: 07/411,734
 ; EARLIER FILING DATE: 1989-09-25
 ; EARLIER APPLICATION NUMBER: PCT/US93/09346
 ; EARLIER FILING DATE: 1993-10-01
 ; EARLIER APPLICATION NUMBER: 07/715,196
 ; EARLIER FILING DATE: 1991-06-14
 ; EARLIER APPLICATION NUMBER: 07/958,134
 ; EARLIER FILING DATE: 1992-10-05
 ; EARLIER APPLICATION NUMBER: 08/007,996
 ; EARLIER FILING DATE: 1993-01-21
 ; EARLIER APPLICATION NUMBER: 07/703,619
 ; EARLIER FILING DATE: 1991-05-21

EARLIER APPLICATION NUMBER: 08/040,903
EARLIER FILING DATE: 1993-03-31
EARLIER APPLICATION NUMBER: 07/040,526
EARLIER FILING DATE: 1987-04-20
EARLIER APPLICATION NUMBER: 08/174,379
EARLIER FILING DATE: 1993-12-28
EARLIER APPLICATION NUMBER: 08/040,933
EARLIER FILING DATE: 1993-03-31
EARLIER APPLICATION NUMBER: 08/300,072
EARLIER FILING DATE: 1994-09-02
EARLIER APPLICATION NUMBER: 08/039,979
EARLIER FILING DATE: 1993-03-30
EARLIER APPLICATION NUMBER: 08/395,168
EARLIER FILING DATE: 1995-02-27
EARLIER APPLICATION NUMBER: 07/814,961
EARLIER FILING DATE: 1991-12-24
EARLIER APPLICATION NUMBER: 08/244,993
EARLIER FILING DATE: 1994-06-21
EARLIER APPLICATION NUMBER: 08/468,037
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 20
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: No. 6359124el Sequence
US-09-248-386-20

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGCGCGCGGAG 1386
||| ||||| |||||
DB 19 GCGGGGGCGCGCGGAGCAG 1

RESULT 149
US-09-561-497-34
Sequence 34, Application US/09561497
Patent No. 6372433
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: C. Frank Bennett
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF INHIBITOR OF DNA BINDING-1 EXPRESSION
FILE REFERENCE: RTS-0149
CURRENT APPLICATION NUMBER: US/09/561,497
CURRENT FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 34
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-561-497-34

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 958 GCACCTGCTCTTTGGGG 976
||| ||||| |||||
DB 1 GCACCACTCTCTTGAGCG 19

RESULT 150
US-09-742-703-32/c
Sequence 32, Application US/09742703
Patent No. 6423543

GENERAL INFORMATION:
APPLICANT: Patrick Allen Marcotte
APPLICANT: Lex M. Cowert
TITLE OF INVENTION: ANTISENSE MODULATION OF HEPsin EXPRESSION
FILE REFERENCE: RTS-0090
CURRENT APPLICATION NUMBER: US/09/742,703
CURRENT FILING DATE: 2000-12-20
NUMBER OF SEQ ID NOS: 49
SEQ ID NO 32
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-742-703-32

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 808 CCGCGGGGACCGCGTGCTG 826
||| ||||| |||||
DB 20 CTCGGGGGACTGGTGCTG 2

RESULT 151
US-09-920-663-12/c
Sequence 12, Application US/09920663
Patent No. 6426221
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Lex M. Cowert
TITLE OF INVENTION: ANTISENSE MODULATION OF RIP2 EXPRESSION
FILE REFERENCE: RTS-0233
CURRENT APPLICATION NUMBER: US/09/920,663
CURRENT FILING DATE: 2001-08-01
NUMBER OF SEQ ID NOS: 49
SEQ ID NO 12
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-663-12

Query Match 0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 800 GACCTGAGCCCGGGGACC 818
||| ||||| |||||
DB 20 GGCTGAGCGCCCGGACC 2

RESULT 152
US-09-907-843-23
Sequence 23, Application US/09907843
Patent No. 6440739
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF GLIOMA-ASSOCIATED ONCOGENE-2 EXPRESSION
FILE REFERENCE: RTS-0279
CURRENT APPLICATION NUMBER: US/09/907,843
CURRENT FILING DATE: 2001-07-17
NUMBER OF SEQ ID NOS: 87
SEQ ID NO 23
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-907-843-23

```
Query Match          0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 150 AGATGCTGCTGCTGCGGAG 168
    |||||
Db 1 AGTGTGCTGCTGCTGTGAG 19
    |||||

RESULT 153
US-09-485-077A-2
; Sequence 2, Application US/09485077A
; Patent No. 6458590
; GENERAL INFORMATION:
; APPLICANT: Mukherjee, Anil
; APPLICANT: Kundu, Gopal
; APPLICANT: Panda, Dibyendu
; TITLE OF INVENTION: Methods and Compositions for Treatment of Restenosis
; FILE REFERENCE: NIH-05047
; CURRENT APPLICATION NUMBER: US/09/485,077A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: PCI/US98/16569
; PRIOR FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: 60/054,967
; PRIOR FILING DATE: 1997-07-08
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-485-077A-2

Query Match          0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 548 CACCACTCAGAGAGTCTC 566
    |||||
Db 1 CACCACTCAGAGTCTC 19
    |||||

RESULT 154
US-09-657-346A-11/c
; Sequence 11, Application US/09657346A
; Patent No. 6503754
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST
; FILE REFERENCE: RTS-0135
; CURRENT APPLICATION NUMBER: US/09/657,346A
; CURRENT FILING DATE: 2000-09-07
; NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 11
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-09-657-346A-11

Query Match          0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 170 TGTCTGCTGCTAGTCTCTG 188
    |||||
Db 20 TGTCTGCTGCTGCTCTG 2
    |||||
```

```
RESULT 155
US-09-922-146-25/c
; Sequence 25, Application US/09922146
; Patent No. 6566133
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsett
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 9 EXPRESSION
; FILE REFERENCE: RTS-0252
; CURRENT APPLICATION NUMBER: US/09/922,146
; CURRENT FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 25
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-922-146-25

Query Match          0.9%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 1.9e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1298 GCGCAGCGCTCTGCTG 1316
    |||||
Db 20 GTCGCGCGCTCTGCTG 2
    |||||

RESULT 156
US-08-585-684B-50
; Sequence 50, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF CRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
```

LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-585-664B-50

Query Match 0.9%; Score 14; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 93;
Matches 9; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 901 GGTCTTCTACGTGA 914
DB 2 GGUCUUCUACGUGA 15

RESULT 157
US-09-377-310-37
Sequence 37, Application US/09377310B
Patent No. 6133031
GENERAL INFORMATION:
APPLICANT: Monia, Brett P.
APPLICANT: Gaarde, William A.
TITLE OF INVENTION: Antisense Modulation of Focal Adhesion Kinase
FILE REFERENCE: ISPH-0389
CURRENT APPLICATION NUMBER: US/09/377,310B
CURRENT FILING DATE: 1999-08-19
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 37
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: antisense sequence
US-09-377-310-37

Query Match 0.9%; Score 14; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 191 TCCTCGCTGCTGGT 204
DB 1 TCCTCGCTGCTGGT 14

RESULT 158
US-09-038-073-50
Sequence 50, Application US/09038073
Patent No. 6194150
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/038,073
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 216/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-038-073-50

Query Match 0.9%; Score 14; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 93;
Matches 9; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 901 GGTCTTCTACGTGA 914
DB 2 GGUCUUCUACGUGA 15

RESULT 159
US-08-627-254C-12/c
Sequence 12, Application US/08627254C
Patent No. 5859229
GENERAL INFORMATION:
APPLICANT: Kniss, Douglas A.
TITLE OF INVENTION: Eicosanoid Formation
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Calfee, Halter & Griwold LLP
STREET: 800 Superior Avenue
CITY: Cleveland
STATE: Ohio
COUNTRY: USA
ZIP: 44114
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/627,254C
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Gollrick, Mary E
REGISTRATION NUMBER: 34,829
REFERENCE/DOCKET NUMBER: 18525/00107
TELECOMMUNICATION INFORMATION:
TELEPHONE: (216) 622-8200
TELEFAX: (216) 241-0816
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
ANTI-SENSE: YES
US-08-627-254C-12

Query Match 0.9%; Score 14; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;

```

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1132 CTTGCCCGCGCGTGG 1145
Db 15 CTTGCCCGCGCGTGG 2

RESULT 160
US-08-912-129A-77/c
; Sequence 77, Application US/08912129A
; Patent No. 5922533
; GENERAL INFORMATION:
; APPLICANT: VALLARI, ANADRUZELA S.
; APPLICANT: HACKETT, JOHN JR.
; APPLICANT: HICKMAN, ROBERT K.
; APPLICANT: VARITEK, VINCENT A. JR.
; APPLICANT: NECKLAWS, ELIZABETH A.
; APPLICANT: GOLDEN, ALAN M.
; APPLICANT: BRENNAN, CATHERINE A.
; APPLICANT: DEVARE, SUSHIL G.
; TITLE OF INVENTION: RAPID ASSAY FOR SIMULTANEOUS DETECTION AND DIFFERENTIATION
; NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette, 1.44 MB
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS (Windows 95)
; SOFTWARE: Microsoft Word (ASCII format output)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/912,129A
; FILING DATE: 15-AUG-1997
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Dankers, Andreas M.
; REGISTRATION NUMBER: 32,652
; REFERENCE/DOCKET NUMBER: 6109.US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847-937-9803
; TELEFAX: 847-938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-912-129A-77

Query Match 0.9%; Score 14; DB 1; Length 18;
Best Local Similarity 97.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 764 GTGCACCTGGAGCAGG 779
Db 16 GYGCACCTGGAGTAGG 1

RESULT 161
US-08-981-321-6/c
; Sequence 6, Application US/08981321A
; Patent No. 6146871
; GENERAL INFORMATION:
; APPLICANT: GARCIA LOPEZ, et al, Jose Luis
; TITLE OF INVENTION: PROCESS FOR MODIFYING THE ENZYME

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; TITLE OF INVENTION: 7B-(4-CARBOXYBUTANAMIDE) CE PHALOS PORI NACYLAS E AND
; TITLE OF INVENTION: PURIFYING SAID ENZYME IN A SINGLE CHROMATOGRAPHIC STEP
; FILE REFERENCE: U-011559-6
; CURRENT APPLICATION NUMBER: US/08/981,321A
; EARLIER FILING DATE: 1998-08-13
; EARLIER FILING DATE: 1997-04-19
; EARLIER FILING DATE: 1997-04-19
; EARLIER FILING DATE: 1997-04-19
; EARLIER FILING DATE: 1996-04-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide from gla gene modified
; OTHER INFORMATION: to include a Sma. I restriction site
; FEATURE:
; OTHER INFORMATION: Gla gene modified to encode six histidines
US-08-981-321-6

Query Match 0.9%; Score 14; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 748 CCCGGGCTCGGCCA 761
Db 15 CCCGGGCTCGGCCA 2

RESULT 162
US-09-578-634A-1
; Sequence 1, Application US/09578634A
; Patent No. 6515120
; GENERAL INFORMATION:
; APPLICANT: Kwagh, Jae-Gyu
; APPLICANT: Macklin, John J.
; APPLICANT: Mitsis, Paul G.
; APPLICANT: Ulmer, Kevin M.
; TITLE OF INVENTION: METHOD FOR SEQUENCING AND CHARACTERIZING POLYMERIC
; TITLE OF INVENTION: BIONOMOLECULES USING APTAMERS AND A METHOD FOR PRODUCING
; TITLE OF INVENTION: APTAMERS
; FILE REFERENCE: PL/2CIP
; CURRENT APPLICATION NUMBER: US/09/578,634A
; CURRENT FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/135,863
; PRIOR FILING DATE: 1999-05-25
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1...19
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
; OTHER INFORMATION: sequence
; OTHER INFORMATION: Description of Artificial Sequence: n is any one of
; OTHER INFORMATION: g, a, t or c
US-09-578-634A-1

Query Match 0.9%; Score 14; DB 1; Length 19;
Best Local Similarity 73.7%; Pred. No. 1.8e+02;
Matches 14; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1552 CGGGGAGGGCGCGGGAG 1570
Db 1 CGGGGAGGGCGCGGGAG 19

RESULT 163

```

US-08-837-201C-5/c
; Sequence 5, Application US/08837201C
; Patent No. 5985558
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
; APPLICANT: Miraglia; Brenda F. Baker
; TITLE OF INVENTION: Antisense Oligonucleotide
; TITLE OF INVENTION: Compositions and Methods for the Modulation of
; TITLE OF INVENTION: Activating Protein 1
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,201C
; FILING DATE: April 14, 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0209
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 810-1515
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-837-201C-5

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 14; Conservative 0;

QY 1351 CAGCGCGCGCGGG 1364
Db 16 CAGCGCGCGCGGG 3

RESULT 164
US-09-377-310-17
; Sequence 17, Application US/09377310B
; Patent No. 6133031
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Gaarde, William A.
; TITLE OF INVENTION: Antisense Modulation of Focal Adhesion Kinase
; TITLE OF INVENTION: Expression
; FILE REFERENCE: ISPH-0389
; CURRENT APPLICATION NUMBER: US/09/377,310B
; CURRENT FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

OTHER INFORMATION: antisense sequence
US-09-377-310-17

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 14; Conservative 0;
QY 191 TCCTGCTGCTGGT 204
Db 3 TCCTGCTGCTGGT 16

RESULT 165
US-09-428-696-57/c
; Sequence 57, Application US/09428696
; Patent No. 6165789
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF HNRNP A1 EXPRESSION
; FILE REFERENCE: RTS-0111
; CURRENT APPLICATION NUMBER: US/09/428,696
; CURRENT FILING DATE: 1999-10-27
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 57
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-696-57

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 14; Conservative 0;

QY 642 TGGCGGTGGAGGCC 655
Db 19 TGGCGGTGGAGGCC 6

RESULT 166
US-09-484-617-41
; Sequence 41, Application US/09484617
; Patent No. 6303374
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
; FILE REFERENCE: RTS-0103
; CURRENT APPLICATION NUMBER: US/09/484,617
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-484-617-41

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 14; Conservative 0;

QY 1442 GGCATCCACTGGTA 1455
Db 7 GGCATCCACTGGTA 20

RESULT 167
US-09-364-416-5/c
; Sequence 5, Application US/09364416

```
; Patent No. 6312900
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
; APPLICANT: Miraglia; Brenda F. Baker
; TITLE OF INVENTION: Antisense Oligonucleotide
; TITLE OF INVENTION: Compositions and Methods for the Modulation of
; TITLE OF INVENTION: Activating Protein 1
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/364,416
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,201
; FILING DATE: April 14, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0209
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 810-1515
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 5:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-09-364-416-5

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1351 CAGCGGCGCGGG 1364
Db 16 CAGCGGCGCGGG 3

RESULT 169
US-09-422-978-8409/c
; Sequence 8409, Application US/09422978
; Patent No. 8537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilva
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8409
; LENGTH: 20
```

```
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..20
; OTHER INFORMATION: downstream amplification primer 99-15296 for SEQ 544, in complemer
US-09-422-978-8409

Query Match 0.9%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 705 TGAAGCAGAGAAC 718
Db 14 TGAAGCAGAGAAC 1

RESULT 169
US-08-379-078-457/c
; Sequence 457, Application US/08379078
; Patent No. 5839812
; GENERAL INFORMATION:
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Cooper, Allan
; TITLE OF INVENTION: Gene Detection System
; NUMBER OF SEQUENCES: 726
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,078
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/974,406
; FILING DATE: 12-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.011CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 457:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-379-078-457

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 641 CTGGCGGTGGAGCGCG 657
Db 17 CTGGCGGTGGAGCGCG 1

RESULT 170
```

US-08-379-078-458/c
; Sequence 458, Application US/08379078
; Patent No. 5639612
; GENERAL INFORMATION:
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Cooper, Allan
; TITLE OF INVENTION: Gene Detection System
; NUMBER OF SEQUENCES: 726
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,078
; FILING DATE: 12-NOV-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION NUMBER: US 07/974,406
; FILING DATE: 12-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.011CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 458:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-379-078-458

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGGCGGTGGAGCGCG 657
Db 17 CTGGCGGTGGAGCGCG 1

RESULT 171
US-07-974-409C-70/c
; Sequence 70, Application US/07974409C
; Patent No. 6300058
; GENERAL INFORMATION:
; APPLICANT: Akitaya, Tatsuo
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Cooper, Allan
; TITLE OF INVENTION: METHOD AND REAGENT
; TITLE OF INVENTION: FOR MEASURING MESSENGER RNA
; NUMBER OF SEQUENCES: 457
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson, and Bear
; STREET: 620 Newport Center Dr. Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/974,409C
; FILING DATE: 12-NOV-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.006CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 70:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-07-974-409C-70

Query Match 0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGGCGGTGGAGCGCG 657
Db 17 CTGGCGGTGGAGCGCG 1

RESULT 172
US-07-974-409C-71/c
; Sequence 71, Application US/07974409C
; Patent No. 6300058
; GENERAL INFORMATION:
; APPLICANT: Akitaya, Tatsuo
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Cooper, Allan
; TITLE OF INVENTION: METHOD AND REAGENT
; TITLE OF INVENTION: FOR MEASURING MESSENGER RNA
; NUMBER OF SEQUENCES: 457
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson, and Bear
; STREET: 620 Newport Center Dr. Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/974,409C
; FILING DATE: 12-NOV-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.006CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid

```

; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-07-974-403C-71

Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGGCGGTGGAGCCGG 657
DB 17 CTGGCGGTGGAGCCGAG 1

RESULT 173
US-08-584-040-5562
; Sequence 5562, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 5562:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-584-040-5562

Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 1.4e+02;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1447 CCACTGGTACTGCGCAG 1463

; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-07-974-403C-71

Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 641 CTGGCGGTGGAGCCGG 657
DB 17 CTGGCGGTGGAGCCGAG 1

RESULT 174
US-09-673-809-86
; Sequence 86, Application US/09673809
; Patent No. 6528261
; GENERAL INFORMATION:
; APPLICANT: INNOGENETICS N.V.
; TITLE OF INVENTION: Method for typing of HLA alleles.
; FILE REFERENCE: PCT99.86 HLA
; CURRENT APPLICATION NUMBER: US/09/673,809
; CURRENT FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 98870088.6
; PRIOR FILING DATE: 1998-04-20
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 86
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-673-809-86

Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 798 AGGACCTGAGCCCCGGG 814
DB 1 AGGACCTGAGCTCTGCG 17

RESULT 175
US-09-435-327A-16/c
; Sequence 16, Application US/09435327A
; Patent No. 6537766
; GENERAL INFORMATION:
; APPLICANT: Uckun, Fatih M.
; APPLICANT: Croft, Mya L.
; TITLE OF INVENTION: IKAROS ISOFORMS AND MUTANTS
; FILE REFERENCE: 12152.35USUL
; CURRENT APPLICATION NUMBER: US/09/435,327A
; CURRENT FILING DATE: 1999-11-05
; PRIOR APPLICATION NUMBER: 60/107,229
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 16
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-435-327A-16

Query Match          0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.4e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1499 GAGGCCCTGCGCCGCT 1515
DB 17 GAGTCCCTGCGCCGCT 1

RESULT 176
US-09-371-772B-2452
; Sequence 2452, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
```

;; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
 ;; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

;; FILE REFERENCE: MBH00.876-J (237/198)
 ;; CURRENT APPLICATION NUMBER: US/09/371,772B

;; PRIOR FILING DATE: 1999-08-10

;; PRIOR APPLICATION NUMBER: US 60/005,974

;; PRIOR FILING DATE: 1995-10-26

;; PRIOR APPLICATION NUMBER: US 08/584,040

;; PRIOR FILING DATE: 1996-01-08

;; NUMBER OF SEQ ID NOS: 14225

;; SOFTWARE: PatentIn version 3.0

;; SEQ ID NO 2452

;; LENGTH: 17

;; TYPE: RNA

;; ORGANISM: Mus sp.

US-09-371-772B-2452

Query Match 0.9%; Score 13.8; DB 1; Length 17;
 Best Local Similarity 70.6%; Pred. No. 1.4e+02;
 Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1447 CCACGTGTAATCGCAGC 1463
 ||| :|||: ||||
 Db 1 CCAGUGGUACUGGCAGC 17

RESULT 177

PCT-US93-00977-70/c

;; Sequence 70, Application PC/TUS9300977

;; GENERAL INFORMATION:

;; TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA

;; NUMBER OF SEQUENCES: 711

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Knobbe, Martens, Olson, and Bear

;; STREET: 620 Newport Center Dr. Sixteenth Floor

;; CITY: Newport Beach

;; STATE: CA

;; COUNTRY: USA

;; ZIP: 92660

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk

;; COMPUTER: IBM PC compatible

;; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: PCT/US93/00977

;; FILING DATE: 19930129

;; CLASSIFICATION:

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Altman, Daniel E.

;; REGISTRATION NUMBER: 34,115

;; REFERENCE/DOCKET NUMBER: HITACHI.006H

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: 714-760-0404

;; TELEFAX: 714-760-9502

;; INFORMATION FOR SEQ ID NO: 70:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 17

;; TYPE: NUCLEIC ACID

;; STRANDEDNESS: double

;; TOPOLOGY: linear

;; MOLECULE TYPE: cDNA to mRNA

;; HYPOTHETICAL: NO

;; ANTI-SENSE: NO

PCT-US93-00977-70

Query Match 0.9%; Score 13.8; DB 1; Length 17;

Best Local Similarity 88.2%; Pred. No. 1.4e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 641 CTGGCGGTGGAGCGCG 657
 ||||| ||||| |||||
 Db 17 CTGGCGGTGGAGCGCCAG 1

RESULT 178

PCT-US93-00977-71/c

;; Sequence 71, Application PC/TUS9300977

;; GENERAL INFORMATION:

;; TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA

;; NUMBER OF SEQUENCES: 711

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Knobbe, Martens, Olson, and Bear

;; STREET: 620 Newport Center Dr. Sixteenth Floor

;; CITY: Newport Beach

;; STATE: CA

;; COUNTRY: USA

;; ZIP: 92660

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk

;; COMPUTER: IBM PC compatible

;; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: PCT/US93/00977

;; FILING DATE: 19930129

;; CLASSIFICATION:

;; ATTORNEY/AGENT INFORMATION:

;; NAME: Altman, Daniel E.

;; REGISTRATION NUMBER: 34,115

;; REFERENCE/DOCKET NUMBER: HITACHI.006H

;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: 714-760-0404

;; TELEFAX: 714-760-9502

;; INFORMATION FOR SEQ ID NO: 71:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 17

;; TYPE: NUCLEIC ACID

;; STRANDEDNESS: double

;; TOPOLOGY: linear

;; MOLECULE TYPE: cDNA to mRNA

;; HYPOTHETICAL: NO

;; ANTI-SENSE: NO

PCT-US93-00977-71

Query Match 0.9%; Score 13.8; DB 1; Length 17;

Best Local Similarity 88.2%; Pred. No. 1.4e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 641 CTGGCGGTGGAGCGCG 657
 ||||| ||||| |||||
 Db 17 CTGGCGGTGGAGCGCCAG 1

RESULT 179

US-08-248-848-56/c

;; Sequence 56, Application US/08248848

;; Patent No. 5523217

;; GENERAL INFORMATION:

;; APPLICANT: Lupski, James R.

;; APPLICANT: Versalovic, James

;; APPLICANT: Koeuth, Thearith

;; TITLE OF INVENTION: Fingerprinting Bacterial Strains Using

;; REPEATITIVE DNA Sequence Amplification

;; Patent No. 5523217

;; NUMBER OF SEQUENCES: 60

;; CORRESPONDENCE ADDRESS:

;; ADDRESSEE: Fulbright & Jaworski

;; STREET: 1301 McKinney, Suite 5100

;; CITY: Houston

;; STATE: Texas

;; COUNTRY: U.S.A.

;; ZIP: 77010-3095

;; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk

;; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/248,848
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/781,424
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5394
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: YES
US-08-248-848-56

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 111 CGCACGGGGACAGCTCG 127
||| |||||
DB 17 CGGACTGGGACAGCTCG 1

RESULT 180
US-08-248-848-57
Sequence 57, Application US/08248848
Patent No. 5523217
GENERAL INFORMATION:
APPLICANT: Lupski, James R.
APPLICANT: Versalovic, James
APPLICANT: Koeuth, Thearith
TITLE OF INVENTION: Fingerprinting Bacterial Strains Using
TITLE OF INVENTION: Repetitive DNA Sequence Amplification
Patent No. 5523217
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/248,848
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/781,424
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5394
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325

TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: YES
US-08-248-848-57

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 111 CGCACGGGGACAGCTCG 127
||| |||||
DB 2 CGGACTGGGACAGCTCG 18

RESULT 181
US-08-111-077-56/c
Sequence 56, Application US/08111077
Patent No. 5691136
GENERAL INFORMATION:
APPLICANT: Lupski, James R.
APPLICANT: Versalovic, James
APPLICANT: Koeuth, Thearith
TITLE OF INVENTION: Fingerprinting Bacterial Strains Using
TITLE OF INVENTION: Repetitive DNA Sequence Amplification
Patent No. 5691136
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/111,077
FILING DATE: 19930824
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5394
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: YES
US-08-111-077-56

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 111 CGCACGGGGACAGCTCG 127
||| |||||

Db 17 CGGACTGGGACAGCTCG 1

RESULT 182

US-08-111-077-57

Sequence 57, Application US/08111077

Patent No. 5691136

GENERAL INFORMATION:

APPLICANT: Lupski, James R.

APPLICANT: Versalovic, James

APPLICANT: Koevalch, Thearith

TITLE OF INVENTION: Fingerprinting Bacterial Strains Using

TITLE OF INVENTION: Repetitive DNA Sequence Amplification

Patent No. 5691136

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fulbright & Jaworski

STREET: 1301 McKinney, Suite 5100

CITY: Houston

STATE: Texas

COUNTRY: U.S.A.

ZIP: 77010-3095

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/111.077

FILING DATE: 19930824

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Paul, Thomas D.

REGISTRATION NUMBER: 32,714

REFERENCE/DOCKET NUMBER: D-5394

TELECOMMUNICATION INFORMATION:

TELEPHONE: 713/651-5325

TELEFAX: 713/651-5246

TELEX: 762829

INFORMATION FOR SEQ ID NO: 57:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: YES

US-08-111-077-57

Query Match 0.9%; Score 13.8; DB 1; Length 18;

Best Local Similarity 88.2%; Pred. No. 1.7e-02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 111 CGGACGGGGACAGCTCG 127

Db 2 CGGACTGGGACAGCTCG 18

RESULT 183

US-08-363-240A-1117/c

Sequence 1117, Application US/08363240A

Patent No. 5705388

GENERAL INFORMATION:

APPLICANT: Couture, Larry

APPLICANT: McSwiggen, James

APPLICANT: Bisgaier, Charles

APPLICANT: Pape, Michael

TITLE OF INVENTION: METHOD AND REAGENT FOR

TITLE OF INVENTION: PREVENTION, INHIBITION OF

TITLE OF INVENTION: PROGRESSION AND REGRESSION

TITLE OF INVENTION: OF VASCULAR DISEASES

NUMBER OF SEQUENCES: 1243

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

US-08-363-240A-1117

Query Match 0.9%; Score 13.8; DB 1; Length 18;

Best Local Similarity 88.2%; Pred. No. 1.7e-02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1453 GTACTCGGAGCTGCTCT 1469

Db 18 GGACTCGGAGCTGCTCT 2

RESULT 184

US-08-363-240A-1203

Sequence 1203, Application US/08363240A

Patent No. 5705388

GENERAL INFORMATION:

APPLICANT: Couture, Larry

APPLICANT: McSwiggen, James

APPLICANT: Bisgaier, Charles

APPLICANT: Pape, Michael

TITLE OF INVENTION: METHOD AND REAGENT FOR

TITLE OF INVENTION: PREVENTION, INHIBITION OF

TITLE OF INVENTION: PROGRESSION AND REGRESSION

TITLE OF INVENTION: OF VASCULAR DISEASES

NUMBER OF SEQUENCES: 1243

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1203:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-1203

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 76.5%; Pred. No. 1.7e+02;
Matches 13; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1023 CCGGGCGCGCTTCCGGG 1039
DB 1 CAGGGCGCCUUCAGG 17

RESULT 185

US-08-311-486C-1129
Sequence 1129, Application US/08311486C
Patent No. 5811300

GENERAL INFORMATION:
APPLICANT: Sean Sullivan

APPLICANT: Kenneth Draper

APPLICANT: Kevin Kisich

APPLICANT: Dan T. Stinchcomb

APPLICANT: James McSwiggen

TITLE OF INVENTION: RIBOZYME TREATMENT OF

TITLE OF INVENTION: DISEASES OR CONDITIONS

TITLE OF INVENTION: RELATED TO LEVELS OF

TITLE OF INVENTION: TNF- α

NUMBER OF SEQUENCES: 1157

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/311,486C

FILING DATE: September 23, 1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA: including application

PRIOR APPLICATION DATA: described below:

APPLICATION NUMBER: 08/008,895

FILING DATE: January 19, 1993

APPLICATION NUMBER: 07/989,849

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

two

REFERENCE/DOCKET NUMBER: 209/166
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1129:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-311-486C-1129

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 58.8%; Pred. No. 1.7e+02;
Matches 10; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 132 TCATCAGTTCATGGGC 148
DB 2 UCAUCAGUUCUAGGCC 18

RESULT 186

US-09-205-922-48

Sequence 48, Application US/09205922

Patent No. 5951455

GENERAL INFORMATION:

APPLICANT: Lex M. Cowsett

TITLE OF INVENTION: ANTISENSE MODULATION OF G-AFLHA-11 EXPRESSION

FILE REFERENCE: RTS-0030

CURRENT APPLICATION NUMBER: US/09/205,922

CURRENT FILING DATE: 1998-12-04

NUMBER OF SEQ ID NOS: 87

SEQ ID NO 48

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Antisense Oligonucleotide

US-09-205-922-48

Query Match 0.9%; Score 13.8; DB 1; Length 18;

Best Local Similarity 88.2%; Pred. No. 1.7e+02;

Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1450 CTGGTACTCGCAGCTGC 1466
DB 2 CTGGTACTCGCAGCTGC 18

RESULT 187

US-09-176-862-32

Sequence 32, Application US/09176862B

Patent No. 6046319

GENERAL INFORMATION:

APPLICANT: Power, Christopher

APPLICANT: Mayne, Michael B.

TITLE OF INVENTION: ANTISENSE OLIGODEOXYNUCLEOTIDES REGULATING EXPRESSION

FILE REFERENCE: 3045.00002

CURRENT APPLICATION NUMBER: US/09/176,862B

CURRENT FILING DATE: 1998-10-22

EARLIER APPLICATION NUMBER: 60/062,718

EARLIER FILING DATE: 1997-10-22

NUMBER OF SEQ ID NOS: 33

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 32

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: synthetic

US-09-176-862-32

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 235 GGGTTCGGAAGAGGA 251
|||||
Db 1 GGGTTCGGAAGATGA 17

RESULT 188

US-09-143-212-45
; Sequence 45, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia and Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
; FILE REFERENCE: RTS-0005
; CURRENT APPLICATION NUMBER: US/09/143,212B
; CURRENT FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 45
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-45

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGGCGGGCGGC 1384
|||||
Db 2 GTGGCGGGCGGGCGGC 18

RESULT 189

US-09-322-478-2/c
; Sequence 2, Application US/09322478
; Patent No. 6331662
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: Plant Retroelements and Methods Related Thereto
; FILE REFERENCE: P-1065 ISURF Plant Retroelement
; CURRENT APPLICATION NUMBER: US/09/322,478
; CURRENT FILING DATE: 1999-05-28
; EARLIER APPLICATION NUMBER: 60/087125
; EARLIER FILING DATE: 1998-05-29
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-322-478-2

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 880 CCGGACGACGGCGCA 896
|||||
Db 17 CCGGACGACGGCGCA 1

RESULT 190

US-08-584-040-3041
; Sequence 3041, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:

APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3041:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-3041

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 70.6%; Pred. No. 1.7e+02;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 939 GCCTGCTGCTCACC GCC 955
|||||
Db 1 GCGGCGGCGGCGGCGCC 17

RESULT 191

US-08-679-645-1167/c
; Sequence 1167, Application US/08679645
; Patent No. 6350934
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
; TITLE OF INVENTION: IN PLANTS

;; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
;; FILE REFERENCE: MHB00,876-J (237/198)
;; CURRENT APPLICATION NUMBER: US/09/371,772B
;; CURRENT FILING DATE: 1999-08-10
;; PRIOR APPLICATION NUMBER: US 60/005,974
;; PRIOR FILING DATE: 1995-10-26
;; PRIOR APPLICATION NUMBER: US 08/584,040
;; PRIOR FILING DATE: 1996-01-08
;; NUMBER OF SEQ ID NOS: 14225
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 1469
;; LENGTH: 18
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-09-371-772B-1469

Query Match 0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 70.6%; Pred. No. 1.7e+02;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 939 GCGTCTGCTCAGCCGC 955
Db 1 GCGUGCGUCGCCGCC 17

RESULT 195
US-08-486-408-12/c
;; Sequence 12, Application US/08486408
;; Patent No. 5716846
;; GENERAL INFORMATION:
;; APPLICANT: Brown, Steven Joel
;; APPLICANT: Dattagupta, Nanibhushan
;; APPLICANT: Naidu, Yathi M.
;; TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
;; TITLE OF INVENTION: PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
;; NUMBER OF INVENTIONS: mRNA
;; NUMBER OF SEQUENCES: 19
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Gen-Probe Incorporated
;; STREET: 9880 Campus Point Drive
;; CITY: San Diego
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92121
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq Version 1.5
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/486,408
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fisher, Carlos A
;; REGISTRATION NUMBER: 36,510
;; REFERENCE/DOCKET NUMBER: CBI009
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-535-2807
;; TELEFAX: 619-546-7929
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 12:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 19 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-486-408-12

Query Match 0.9%; Score 13.8; DB 1; Length 19;

Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1303 CGCGCTCTGCTGGCTGCAC 1319
Db 17 CGCGCTGCTGGCTGCC 1

RESULT 196
US-08-640-672-6/c
;; Sequence 6, Application US/08640672
;; Patent No. 5789169
;; GENERAL INFORMATION:
;; APPLICANT: Leustner, James
;; APPLICANT: Hui, May
;; APPLICANT: Dunn, James M.
;; APPLICANT: Stevens, John K.
;; TITLE OF INVENTION: METHOD FOR AMPLIFICATION AND SEQUENCING
;; TITLE OF INVENTION: OF NUCLEIC ACID POLYMERS
;; NUMBER OF SEQUENCES: 20
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Oppedahl & Larson
;; STREET: 1992 Commerce Street Suite 309
;; CITY: Yorktown
;; STATE: NY
;; COUNTRY: US
;; ZIP: 10598
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
;; COMPUTER: IBM compatible
;; OPERATING SYSTEM: MS DOS
;; SOFTWARE: Word Perfect
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/640,672
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Larson, Marina T.
;; REGISTRATION NUMBER: 32,038
;; REFERENCE/DOCKET NUMBER: VGEN.P-020-US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (914) 245-3252
;; TELEFAX: (914) 962-4330
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 19
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: other nucleic acid
;; HYPOTHETICAL: no
;; ANTI-SENSE: no
;; FRAGMENT TYPE: internal
;; ORIGINAL SOURCE:
;; ORGANISM: human
;; FEATURE:
;; OTHER INFORMATION: amplification primer for DR2 alleles of
;; OTHER INFORMATION: HLA Class II genes
US-08-640-672-6

Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 579 GCGCGCAGTGGACATC 595
Db 18 GCGCGCGGTGGACACC 2

```

RESULT 197
US-08-684-498A-6/c
; Sequence 6, Application US/08684498A
; Patent No. 5830657
; GENERAL INFORMATION:
; APPLICANT: Leushner, James
; APPLICANT: Hui, May
; APPLICANT: Dunn, James M.
; APPLICANT: Larson, Marina T.
; TITLE OF INVENTION: METHOD FOR SINGLE-TUBE SEQUENCING OF
; TITLE OF INVENTION: NUCLEIC ACID POLYMERS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oppedahl & Larson
; STREET: 1992 Commerce Street Suite 309
; CITY: Yorktown
; STATE: NY
; COUNTRY: US
; ZIP: 10598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Word Perfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/684,498A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/640,672
; FILING DATE: 1 May 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Marina T.
; REGISTRATION NUMBER: 32,038
; REFERENCE/DOCKET NUMBER: VGEN.P-031-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 245-3252
; TELEFAX: (914) 962-4330
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; OTHER INFORMATION: amplification primer for DR2 alleles of
; OTHER INFORMATION: HLA Class II genes
US-08-684-498A-6
;
; Query Match 0.9%; Score 13.8; DB 1; Length 19;
; Best Local Similarity 88.2%; Pred. No. 1.9e+02;
; Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 579 GCCGCGCAGTGGACATC 595
Db 18 GCCGCGCGGTGGACACC 2

RESULT 198
US-08-577-858A-6/c
; Sequence 6, Application US/08577858A
; Patent No. 5834189
; GENERAL INFORMATION:
; APPLICANT: Stevens, John K.
; APPLICANT: Dunn, James M.
; APPLICANT: Leushner, James

```

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; APPLICANT: Green, Ronald
; TITLE OF INVENTION: Method for Evaluation of Polymorphic
; TITLE OF INVENTION: Genetics Sequences, and Use Thereof in Identification of HLA
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oppedahl & Larson
; STREET: 1992 Commerce Street Suite 309
; CITY: Yorktown
; STATE: NY
; COUNTRY: US
; ZIP: 10598
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Word Perfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/577,858A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Marina T.
; REGISTRATION NUMBER: 32,038
; REFERENCE/DOCKET NUMBER: VGEN.P-019-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 245-3252
; TELEFAX: (914) 962-4330
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; OTHER INFORMATION: amplification primer for DR2 alleles of
; OTHER INFORMATION: HLA Class II genes
US-08-577-858A-6
;
; Query Match 0.9%; Score 13.8; DB 1; Length 19;
; Best Local Similarity 88.2%; Pred. No. 1.9e+02;
; Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 579 GCCGCGCAGTGGACATC 595
Db 18 GCCGCGCGGTGGACACC 2

RESULT 199
US-08-611-280-10
; Sequence 10, Application US/08611280
; Patent No. 5891666
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303
; CITY: Mississauga
; STATE: Ontario

```

COUNTRY: Canada
ZIP: LSN 6JB
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/611,280
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Oleski, Nancy A.
REGISTRATION NUMBER: 34,688
REFERENCE/DOCKET NUMBER: A-338A
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-611-280-10

Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 504 CAGGAGTGAACCTGGG 520
DB 3 CAGAAGTGAACCTGAGG 19

RESULT 200

US-08-975-570-12/c
Sequence 12, Application US/08975570
Patent No. 5945336

GENERAL INFORMATION:
APPLICANT: Brown, Steven Joel
APPLICANT: Dattagupta, Nanihushan
APPLICANT: Naidu, Yathi M.
TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
TITLE OF INVENTION: mRNA
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gen-Probe Incorporated
STREET: 9880 Campus Point Drive
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/975,570
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/486,408
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fisher, Carlos A.
REGISTRATION NUMBER: 36,510
REFERENCE/DOCKET NUMBER: CB1009
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-535-2807
TELEFAX: 619-546-7929
TELEX:
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-975-570-12

Query Match 0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1303 CGCGCTCTGGCTGCAC 1319
DB 17 CGCGCTGCTGGCTGCC 1

RESULT 201

US-08-796-362C-5/c
Sequence 5, Application US/08796362C
Patent No. 5952200

GENERAL INFORMATION:
APPLICANT: Johnson, Lewis D., Hunt, D. Margaret, and Nachtigal,
APPLICANT: Maurice
TITLE OF INVENTION: Method of Diagnosing Cancer in Human Cells
TITLE OF INVENTION: Using a Reverse Transcriptase-Polymerase Chain Reaction for
TITLE OF INVENTION: the Presence of Stromelysin-3
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Neil C. Jones
ADDRESS: Dority & Manning, P.A.
STREET: 700 E. No. 5952200th Street, Suite 15
CITY: Greenville
STATE: South Carolina
COUNTRY: USA
ZIP: 29601

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM compatible (SAMPO/Alphascan
OPERATING SYSTEM: MS Dos; Windows 95
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/796,362C
FILING DATE: 06-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA: No. 5952200 applicable
ATTORNEY/AGENT INFORMATION:
NAME: Neil C. Jones
REGISTRATION NUMBER: 35,561
REFERENCE/DOCKET NUMBER: USC-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (864) 271-1592
TELEFAX: (864) 233-7342
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: Nucleic acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Other Nucleic Acid
DESCRIPTION: -actin primer
HYPOTHETICAL: No

ANTI-SENSE: complementary to file sequence
ORIGINAL SOURCE: Genbank X00351 (originally designed from 04
IMMEDIATE SOURCE: synthesized at the University of South Carolina
POSITION IN GENOME:
UNITS: NT 1382-1364 (position in 25 May 1997 file version)
FEATURE:
OTHER INFORMATION: primer designed from sequence as listed in
OTHER INFORMATION: 04 August 1986 Genbank file.
PUBLICATION INFORMATION:
AUTHORS: Johnson, Lewis D., Hunt, D. Margaret, Kim, Keanhoi, and
TITLE: Amplification of Stromelysin-3 Transcripts from Carcinomas of
JOURNAL: Human Pathology

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/
/ VOLUME: 27
/ ISSUE: 9
/ PAGES: 964-968
/ DATE: SEPT-1996
/ RELEVANT RESIDUES IN SEQ ID NO: 5: NT 1382-1364 (position according
US-08-796-362C-5

Query Match          0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 294 TCCCAATGTGGCCGAG 310
Db 17 TTCACATGTGGCCGAG 1

RESULT 202
US-09-195-940-10
; Sequence 10, Application US/09195940
; Patent No. 6258935
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303
; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/562,466
; FILING DATE: 01-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/195,940
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
; REGISTRATION NUMBER: 34,688
; REFERENCE/DOCKET NUMBER: A-338A
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-562-466-10

Query Match          0.9%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 504 CAGAGTGAAACTGCGG 520
Db 3 CAGAAGTGAAACTGAGG 19

RESULT 204
US-08-068-747-7/C
; Sequence 7, Application US/08068747
; Patent No. 5695933
; GENERAL INFORMATION:
; APPLICANT: Schalling, Martin
; APPLICANT: Hudson, Thomas J.
; APPLICANT: Houseman, David E.
; TITLE OF INVENTION: Direct Determination of Expanded
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/068,747
; FILING DATE: 28-MAY-1993
; CLASSIFICATION: 435
```

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/
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Granahan, Patricia
/ REGISTRATION NUMBER: 32,227
/ REFERENCE/DOCKET NUMBER: MIT-6141
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-861-6240
/ TELEFAX: 617-861-9540
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 33 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "Synthetic"
US-08-068-747-7

Query Match 0.9%; Score 13.8; DB 1; Length 33;
Best Local Similarity 63.6%; Pred. No. 5.2e+02;
Matches 21; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1410 CTGCGAGCTCCGGTGTGCGGGGCCACCGCG 1442
Db 33 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1

RESULT 205
US-08-983-466-29/c
; Sequence 29, Application US/08983466
; Patent No. 6207372
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
; TITLE OF INVENTION: UNIVERSAL PRIMER SEQUENCE FOR MULTIPLEX
; TITLE OF INVENTION: DNA AMPLIFICATION
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RAE-VENTER LAW GROUP
; STREET: 260 Sheridan Ave., Ste. 440
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,466
; FILING DATE: 10-FEB-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/474,450
; FILING DATE: 07-JUNE-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: W096/41012
; FILING DATE: 06-JUNE-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Rae-Venter, Barbara
; REGISTRATION NUMBER: 32,750
; REFERENCE/DOCKET NUMBER: GSCO.001.010US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 328-4400
; TELEFAX: (650) 328-4477
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotide primer"
US-08-983-466-29

/
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Granahan, Patricia
/ REGISTRATION NUMBER: 32,227
/ REFERENCE/DOCKET NUMBER: MIT-6141
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-861-6240
/ TELEFAX: 617-861-9540
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 33 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ DESCRIPTION: /desc = "Synthetic"
US-08-068-747-7

Query Match 0.9%; Score 13.8; DB 1; Length 33;
Best Local Similarity 63.6%; Pred. No. 5.2e+02;
Matches 21; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1410 CTGCGAGCTCCGGTGTGCGGGGCCACCGCG 1442
Db 33 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1

RESULT 206
US-08-585-684B-49
; Sequence 49, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwigen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/585,684B
; FILING DATE: January 16, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/000,951
; FILING DATE: July 7, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-585-684B-49

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 899 AAGGTCTTCTACGTG 913
Db 1 AGGUCUCUACGUG 15

RESULT 207
US-08-585-684B-51
; Sequence 51, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
```

APPLICANT: Jarvis, Thale
APPLICANT: McSwigen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-585-684B-51

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 902 GTCTTACGTGATC 916
DB 1 GUCUUCACGUGAGC 15

RESULT 208
US-08-863-639A-21
Sequence 21, Application US/08863639A
Patent No. 5981185
GENERAL INFORMATION:
APPLICANT: Matson, Robert S.
APPLICANT: Coassin, Peter J.
APPLICANT: Rampal, Jang B.
APPLICANT: Caskey, C. T.
TITLE OF INVENTION: OLIGONUCLEOTIDE REPEAT ARRAYS
NUMBER OF SEQUENCES: 95
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, 9th Floor
CITY: Pasadena
STATE: CA
COUNTRY: USA
ZIP: 91101
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95

SOFTWARE: Corel WordPerfect 8 version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/863,639A
FILING DATE: May 28, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Joseph E. Muech
REGISTRATION NUMBER: 20,532
REFERENCE/DOCKET NUMBER: 11859-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (626) 796-4000
TELEFAX: (626) 795-6321
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
US-08-863-639A-21

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GGGGGCGCGCGGC 1384
DB 1 GCGCGCGCGCGGC 15

RESULT 209
US-08-590-897A-32/c
Sequence 32, Application US/08590897A
Patent No. 6031071
GENERAL INFORMATION:
APPLICANT: Mandeville, Rosemonde
APPLICANT: Popkov, Mikhail
TITLE OF INVENTION: METHODS OF GENERATING NOVEL PEPTIDES
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: MATHEWS, COLLINS, SHEPHERD & GOULD P.A.
STREET: 100 Thonet Circle, Suite 306
CITY: Princeton
STATE: NJ
COUNTRY: USA
ZIP: 08540-3662
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/590,897A
FILING DATE: 24-JAN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bernstein, Scott N.
REGISTRATION NUMBER: 38,827
REFERENCE/DOCKET NUMBER: 3987-102US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-924-8595
TELEFAX: 609-924-3036
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-590-897A-32

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;

Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1046 CTGGGGCTCGGGG 1060
Db 15 CTGGGGCTCGGGC 1

RESULT 210

US-09-038-073-49
; Sequence 49, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,073
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,684

ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-09-038-073-49

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 899 AGGTCCTTCTAGCTG 913
Db 1 AGGGUCUUCUACGUG 15

RESULT 211

US-09-038-073-51
; Sequence 51, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE

; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,073
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,684

ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-09-038-073-51

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 902 GTCTTCTAGTGATC 916
Db 1 GUCUCUACGUGAGC 15

RESULT 212

US-08-730-635-13
; Sequence 13, Application US/08730635
; Patent No. 6514693
; GENERAL INFORMATION:
; APPLICANT: Lansdorp, Peter

; TITLE OF INVENTION: Method for Detecting Multiple Copies of
; TITLE OF INVENTION: a Repeat Sequence in a Nucleic Acid Molecule
; Patent No. 6514693
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWSON & HOWSON
; STREET: 321 NO. 6514693ristown Road
; CITY: Spring House
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19477

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/730,635
; FILING DATE: 11-OCT-1996

RESULT 213

US-08-730-635-13
; Sequence 13, Application US/08730635
; Patent No. 6514693
; GENERAL INFORMATION:
; APPLICANT: Lansdorp, Peter
; TITLE OF INVENTION: Method for Detecting Multiple Copies of
; TITLE OF INVENTION: a Repeat Sequence in a Nucleic Acid Molecule
; Patent No. 6514693
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWSON & HOWSON
; STREET: 321 NO. 6514693ristown Road
; CITY: Spring House
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19477

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/730,635
; FILING DATE: 11-OCT-1996

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: B&PTUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 540-9200
TELEFAX: (215) 540-5818
TELEX: N/A
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-730-635-13

Query Match 0.9%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GGCGGGCGGGCGGC 1384
DB 1 GGCGGGCGGGCGGC 15

RESULT 213

US-08-153-051B-58/c
Sequence 58, Application US/08153051B
Patent No. 5645986

GENERAL INFORMATION:

APPLICANT: Michael D. West
APPLICANT: Jerry W. Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth Blackburn
APPLICANT: Nam Woo Kim
APPLICANT: Calvin B. Harley
APPLICANT: Scott L. Weinrich
APPLICANT: Catherine Strahl
APPLICANT: Michael J. McEachern
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO TELOMERE
TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/153,051B
FILING DATE: No. 5645986member 12, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 204/195
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440

TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-153-051B-58

Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACACGCACACCC 86
DB 16 CACACGCACACCC 2

RESULT 214

US-08-060-952C-57/c
Sequence 57, Application US/08060952C
Patent No. 5695932

GENERAL INFORMATION:

APPLICANT: Michael D. West
APPLICANT: Jerry W. Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth Blackburn
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF CONDITIONS
TITLE OF INVENTION: RELATED TO TELOMERE LENGTH AND/OR
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/060,952C
FILING DATE: May 13, 1993
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,438
FILING DATE: May 13, 1992

APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 202/045
TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-060-952C-57

Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACACGCACACCCC 86
 Db 16 CACACACACACCCC 2

RESULT 215

US-08-151-477A-58/c
 ; Sequence 58, Application US/08151477A

Patent No. 5830644

GENERAL INFORMATION:

APPLICANT: Michael D. West
 APPLICANT: Jerry W. Shay
 APPLICANT: Woodring E. Wright
 APPLICANT: Elizabeth Blackburn
 APPLICANT: Nam Woo Kim
 APPLICANT: Calvin B. Harley
 APPLICANT: Scott L. Weinrich
 APPLICANT: Catherine Strahl
 APPLICANT: Michael J. McEachern
 APPLICANT: Homayoun Vaziri
 TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
 TITLE OF INVENTION: CONDITIONS RELATED TO
 TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
 NUMBER OF SEQUENCES: 58
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/151,477A
 FILING DATE: No. 5830644ember 12, 1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/038,766
 FILING DATE: March 24, 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Warburg, Richard
 REGISTRATION NUMBER: 32,327
 REFERENCE/DOCKET NUMBER: 202/189
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 58:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-08-151-477A-58

Query Match 0.9%; Score 13.4; DB 1; Length 16;
 Best Local Similarity 93.3%; Pred. No. 1.5e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACACGCACACCCC 86
 Db 16 CACACACACACCCC 2

RESULT 216

US-08-819-867-80/c

; Sequence 80, Application US/08819867

Patent No. 6007989
 GENERAL INFORMATION:
 APPLICANT: Michael D. West
 APPLICANT: Calvin B. Harley
 APPLICANT: Scott L. Weinrich
 APPLICANT: Catherine M. Strahl
 APPLICANT: Michael J. McEachern
 APPLICANT: Jerry Shay
 APPLICANT: Woodring E. Wright
 APPLICANT: Elizabeth H. Blackburn
 APPLICANT: Nam Woo Kim
 APPLICANT: Homayoun Vaziri
 TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
 TITLE OF INVENTION: CONDITIONS RELATED TO
 TITLE OF INVENTION: TELOMERASE LENGTH AND/OR
 TITLE OF INVENTION: TELOMERASE ACTIVITY
 NUMBER OF SEQUENCES: 80
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071-2066
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: FastSEQ for Windows 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/819,867
 FILING DATE: March 14, 1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/153,051
 FILING DATE: No. 6007989ember 12, 1993
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Chambers, Daniel M.
 REGISTRATION NUMBER: 34,561
 REFERENCE/DOCKET NUMBER: 224/232
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 80:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-08-819-867-80

Query Match 0.9%; Score 13.4; DB 1; Length 16;
 Best Local Similarity 93.3%; Pred. No. 1.5e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACACGCACACCCC 86
 Db 16 CACACACACACCCC 2

RESULT 217

US-08-464-011B-57/c

; Sequence 57, Application US/08464011B

Patent No. 6368789

GENERAL INFORMATION:

APPLICANT: Michael D. West
 APPLICANT: Jerry W. Shay
 APPLICANT: Woodring E. Wright

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF CONDITIONS
RELATED TO TELOMERE LENGTH AND/OR
TELOMERASE ACTIVITY

NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700

CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,011B
FILING DATE: 05-Jun-1995
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,438
FILING DATE: May 13, 1992
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
APPLICATION NUMBER: 08/060,952
FILING DATE: May 13, 1993

ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 202/045
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 57:

US-08-464-011B-57
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACACGACACACCC 86
Db 16 CACACACACACCC 2

RESULT 218
US-09-378-535-80/c
Sequence 80, Application US/09378535
Patent No. 6551774
GENERAL INFORMATION:
APPLICANT: Michael D. West
Calvin B. Harley
Scott L. Weinrich
Catherine M. Strahl
Michael J. Meeachern
Jerry Shay
Woodring B. Wright
Elizabeth H. Blackburn
Nam Woo Kim
Homa Youn Vaziri

TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
CONDITIONS RELATED TO
TELOMERE LENGTH AND/OR

TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
SUITE: Suite 4700

CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/819,867
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 80:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 80:

US-09-378-535-80
Query Match 0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACACGACACACCC 86
Db 16 CACACACACACCC 2

RESULT 219
US-08-288-405A-12
Sequence 12, Application US/08288405A
Patent No. 5559009
GENERAL INFORMATION:
APPLICANT: Chandy, Kaniyanthara G.
Kalman, Katalin
APPLICANT: Chandy, Grischa
APPLICANT: Gutman, George A.
TITLE OF INVENTION: A No. 5559009el Voltage-Gated Potassium Channel
TITLE OF INVENTION: Gene
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert,
ADDRESS: Attn: Walter H. Dregler
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.125
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/288,405A
FILING DATE: 10-AUG-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/207,431
FILING DATE: 04-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-59844-1/WHED
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
US-08-288-405A-12

Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGCGCGCGCGG 1383
Db 2 GCTGGCGCGCGCGG 17

RESULT 220
US-08-933-749-10/c
Sequence 10, Application US/08933749
Patent No. 5935791
GENERAL INFORMATION:
APPLICANT: Nadeau, James G.
APPLICANT: Hsieh, Helen V.
APPLICANT: Pitner, James B.
APPLICANT: Linn, Carl P.
TITLE OF INVENTION: Detection of Nucleic Acids by
TITLE OF INVENTION: Fluorescence Quenching
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: R. J. Rodrick, Becton Dickinson and Company
STREET: 1 Becton Drive
CITY: Franklin Lakes
STATE: NJ
COUNTRY: US
ZIP: 07417
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,749
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Fugit, Donna R.
REGISTRATION NUMBER: 32,135
REFERENCE/DOCKET NUMBER: P-3749
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-933-749-10

Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 23 GAGCGAGCGCGGAG 37
Db 16 GAGCGAGCGCGGAG 2

RESULT 221
US-08-909-742-3/c
Sequence 3, Application US/08909742
Patent No. 6007991
GENERAL INFORMATION:
APPLICANT: Vimala S. Sivaraman
APPLICANT: Hsien-Yu Wang
APPLICANT: Craig C. Malbon
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-
TITLE OF INVENTION: ACTIVATED PROTEIN KINASES AS THERAPY FOR
TITLE OF INVENTION: BREAST CANCER
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann & Baron, LLP
STREET: 350 Jericho Turnpike
CITY: Jericho
STATE: New York
COUNTRY: USA
ZIP: 11753
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for windows
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/909,742
FILING DATE: August 12, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/831,994
FILING DATE: April 1, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/827,520
FILING DATE: March 28, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Adams, Lindsay S.
REGISTRATION NUMBER: 36,425
REFERENCE/DOCKET NUMBER: 178-225 CIP II
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 822-3550
TELEFAX: (516) 822-3582
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: mRNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-909-742-3

Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GCGGGCGCGCGGCG 1384
Db 15 GCGGGCGCGCGGCG 1

RESULT 222
US-08-909-742-4/c
Sequence 4, Application US/08909742

Patent No. 6007991
 GENERAL INFORMATION:
 APPLICANT: Vimala S. Sivaraman
 APPLICANT: Hsien-Yu Wang
 APPLICANT: Craig C. Malbon
 TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-
 TITLE OF INVENTION: ACTIVATED PROTEIN KINASES AS THERAPY FOR
 TITLE OF INVENTION: BREAST CANCER
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hoffmann & Baron, LLP
 STREET: 350 Jericho Turnpike
 City: Jericho
 STATE: New York
 COUNTRY: USA
 ZIP: 11753
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for windows
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/909,742
 FILING DATE: August 12, 1997
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/831,994
 FILING DATE: April 1, 1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/827,520
 FILING DATE: March 28, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Adams, Lindsey S.
 REGISTRATION NUMBER: 36,425
 REFERENCE/DOCKET NUMBER: 178-225 CIP II
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (516) 822-3550
 TELEFAX: (516) 822-3582
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 nucleotides
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: YES
 US-08-909-742-4

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 1.7e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GGGGGCGGGCGGC 1384
 |||
 Db 15 GCGGCGGGCGGGC 1

RESULT 223
 US-09-235-583-10/c
 Sequence 10, Application US/09235583
 Patent No. 6130047
 GENERAL INFORMATION:

APPLICANT: Nadeau, James G.
 APPLICANT: Heieh, Helen V.
 APPLICANT: Pitner, James B.
 APPLICANT: Linn, Carl P.
 TITLE OF INVENTION: Detection of Nucleic Acids by
 TITLE OF INVENTION: Fluorescence Quenching
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: R. J. Rodrick, Becton Dickinson and Company
 STREET: 1 Becton Drive

CITY: Franklin Lakes
 STATE: NJ
 COUNTRY: US
 ZIP: 07417
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/235,583
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Fugit, Donna R.
 REGISTRATION NUMBER: 32,135
 REFERENCE/DOCKET NUMBER: P-3749
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-235-583-10

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 1.7e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 23 GAGCGAGCGGGCGAG 37
 |||
 Db 16 GAGCGAGCGGGAG 2

RESULT 224

US-09-275-680-9
 Sequence 9, Application US/09275680
 Patent No. 6221630
 GENERAL INFORMATION:

APPLICANT: Hopper, James E
 TITLE OF INVENTION: A High Copy Number Recombinant Expression Construct for
 TITLE OF INVENTION: Regulated High-level Production of Polypeptides in
 TITLE OF INVENTION: Yeast
 FILE REFERENCE: 98428
 CURRENT APPLICATION NUMBER: US/09/275,680
 CURRENT FILING DATE: 1999-03-24
 NUMBER OF SEQ ID NOS: 22
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 9
 LENGTH: 17
 TYPE: DNA
 ORGANISM: Saccharomyces cerevisiae
 US-09-275-680-9

Query Match 0.9%; Score 13.4; DB 1; Length 17;
 Best Local Similarity 93.3%; Pred. No. 1.7e+02;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 92 GCGCACTCGGCCG 106
 |||
 Db 3 GCGCACTCGGCCG 17

RESULT 225

US-09-599-164-10/c
 Sequence 10, Application US/09599164
 Patent No. 6261784
 GENERAL INFORMATION:

APPLICANT: Nadeau, James G.
 APPLICANT: Heieh, Helen V.
 APPLICANT: Pitner, James B.
 APPLICANT: Linn, Carl P.
 TITLE OF INVENTION: Detection of Nucleic Acids by

;; TITLE OF INVENTION: Fluorescence Quenching
;; NUMBER OF SEQUENCES: 10
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: R. J. Rodrick, Becton Dickinson and Company
;; STREET: 1 Becton Drive
;; CITY: Franklin Lakes
;; STATE: NJ
;; COUNTRY: US
;; ZIP: 07417

;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/599,164
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/933,749
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fugit, Donna R.
;; REGISTRATION NUMBER: 32,135
;; REFERENCE/DOCKET NUMBER: P-3749
;; INFORMATION FOR SEQ ID NO: 10:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 17 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear

US-09-599-164-10

Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 23 GAGCGAGCGGCGGAG 37
DB 15 GAGCGAGCGGAGAG 2

RESULT 226
US-09-412-289-3/c
; Sequence 3, Application US/09412289
; Patent No. 6271210
; GENERAL INFORMATION:
; APPLICANT: Sivaraman, Vimala S.
; APPLICANT: Wang, Hsien-Yu
; APPLICANT: Malbon, Craig C.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-ACTIVATED
; TITLE OF INVENTION: PROTEIN KINASES AS THERAPY FOR CANCER
; FILE REFERENCE: Seq. 1-4 (178-225 CIP II/CON)
; CURRENT APPLICATION NUMBER: US/09/412,289
; CURRENT FILING DATE: 1999-10-05
; EARLIER APPLICATION NUMBER: 08/909,742
; EARLIER FILING DATE: 1997-08-12
; EARLIER APPLICATION NUMBER: 08/831,994
; EARLIER FILING DATE: 1997-04-01
; EARLIER APPLICATION NUMBER: 08/827,520
; EARLIER FILING DATE: 1997-03-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
US-09-412-289-3

Query Match 0.9%; Score 13.4; DB 1; Length 17;

Best Local Similarity 93.3%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GCGGCGGCGGCGGC 1384
DB 15 GCGGCGGCGGCGGC 1

RESULT 227
US-09-412-289-4/c
; Sequence 4, Application US/09412289
; Patent No. 6271210
; GENERAL INFORMATION:
; APPLICANT: Sivaraman, Vimala S.
; APPLICANT: Wang, Hsien-Yu
; APPLICANT: Malbon, Craig C.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-ACTIVATED
; TITLE OF INVENTION: PROTEIN KINASES AS THERAPY FOR CANCER
; FILE REFERENCE: Seq. 1-4 (178-225 CIP II/CON)
; CURRENT APPLICATION NUMBER: US/09/412,289
; CURRENT FILING DATE: 1999-10-05
; EARLIER APPLICATION NUMBER: 08/909,742
; EARLIER FILING DATE: 1997-08-12
; EARLIER APPLICATION NUMBER: 08/831,994
; EARLIER FILING DATE: 1997-04-01
; EARLIER APPLICATION NUMBER: 08/827,520
; EARLIER FILING DATE: 1997-03-28
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
US-09-412-289-4

Query Match 0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1370 GCGGCGGCGGCGGC 1384
DB 15 GCGGCGGCGGCGGC 1

RESULT 228
US-09-474-432B-438
; Sequence 438, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MEH800-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526

```
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 438
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-438

Query Match      0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 80.0%; Pred. No. 1.7e+02;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 759 CCACGGTGACCTGG 773
Db 2 CCACGGUGACGUGG 16

RESULT 229
US-09-205-921-12/c
; Sequence 12, Application US/09205921A
; Patent No. 6005048
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: ex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF EGR-1 EXPRESSION
; FILE REFERENCE: RTS-0028
; CURRENT APPLICATION NUMBER: US/09/205,921A
; CURRENT FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 12
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-921-12

Query Match      0.9%; Score 13.4; DB 1; Length 18;
Best Local Similarity 93.3%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 149 GAGATGCTGCTGCTG 163
Db 15 GAGATGATGCTGCTG 1

RESULT 230
US-08-486-408-17
; Sequence 17, Application US/08486408
; Patent No. 571846
; GENERAL INFORMATION:
; APPLICANT: Brown, Steven Joel
; APPLICANT: Dattagupta, Nanibhushan
; APPLICANT: Naidu, Yathi M.
; TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
; TITLE OF INVENTION: PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
; TITLE OF INVENTION: mRNA
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gen-Probe Incorporated
; STREET: 9880 Campus Point Drive
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,408
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fisher, Carlos A
; REGISTRATION NUMBER: 36,510
; REFERENCE/DOCKET NUMBER: CBI009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-2807
; TELEFAX: 619-546-7929
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fisher, Carlos A
; REGISTRATION NUMBER: 36,510
; REFERENCE/DOCKET NUMBER: CBI009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-2807
; TELEFAX: 619-546-7929
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-486-408-17

Query Match      0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 431 GCGGACAGGCTGATG 445
Db 1 GCGGACAGGCTAATG 15

RESULT 231
US-08-975-570-17
; Sequence 17, Application US/08975570
; Patent No. 5945336
; GENERAL INFORMATION:
; APPLICANT: Brown, Steven Joel
; APPLICANT: Dattagupta, Nanibhushan
; APPLICANT: Naidu, Yathi M.
; TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
; TITLE OF INVENTION: PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
; TITLE OF INVENTION: mRNA
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gen-Probe Incorporated
; STREET: 9880 Campus Point Drive
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/975,570
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/486,408
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fisher, Carlos A
; REGISTRATION NUMBER: 36,510
; REFERENCE/DOCKET NUMBER: CBI009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-2807
; TELEFAX: 619-546-7929
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
```

US-08-975-570-17

Query Match 0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 431 GCGGACAGCTGATG 445
DB 1 GCGGACAGCTAATG 15

RESULT 232

US-09-144-367-43
Sequence 43, Application US/09144367
Patent No. 6432639
GENERAL INFORMATION:
APPLICANT: Lichter, Jay
APPLICANT: Guido, Marco
TITLE OF INVENTION: GENOTYPING OF HUMAN CYP3A4
FILE REFERENCE: SEQ-12P
CURRENT APPLICATION NUMBER: US/09/144,367
CURRENT FILING DATE: 1998-08-31
PRIOR APPLICATION NUMBER: 60/058,612
PRIOR FILING DATE: 1997-09-10
NUMBER OF SEQ ID NOS: 58
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 43
LENGTH: 19
TYPE: DNA
ORGANISM: H. sapiens
US-09-144-367-43

Query Match 0.9%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 55 AAGGCGAAGAGAGAG 69
DB 3 AAGGCGAAGAGAG 17

RESULT 233

US-07-627-538-6
Sequence 6, Application US/07627538
Patent No. 5248600
GENERAL INFORMATION:
APPLICANT: Topal, Michael D.
APPLICANT: Conrad, Michael
TITLE OF INVENTION: Method of Cleaving DNA
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and Gibson
STREET: Post Office Drawer 34009
CITY: Charlotte
STATE: No. 5248600th Carolina
COUNTRY: U.S.A.
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/627,538
FILING DATE: 19901214
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5052-24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175

TELEX: 575102
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: N
ANTI-SENSE: N
US-07-627-538-6

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 641 CTGGCGGTGGAGCGGC 658
DB 1 CTGGGTGGGCGCGGC 18

RESULT 234

US-08-128-369-6
Sequence 6, Application US/08128369
Patent No. 5418150
GENERAL INFORMATION:
APPLICANT: Topal, Michael D.
APPLICANT: Conrad, Michael J.
TITLE OF INVENTION: METHOD OF CLEAVING DNA
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and
ADDRESSEE: Gibson
STREET: P.O. Drawer 34009
CITY: Charlotte
STATE: No. 5418150th Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/128,369
FILING DATE: 21-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5470-5A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-420-2200
TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-128-369-6

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 641 CTGGCGGTGGAGCGGC 658
DB 1 CTGGGTGGGCGCGGC 18

RESULT 235

US-08-072-063-10
 ; Sequence 10, Application US/08072063
 ; Patent No. 5439807
 ; GENERAL INFORMATION:
 ; APPLICANT: Theofan, Georgia
 ; APPLICANT: Grina, Lynn S
 ; APPLICANT: Horwitz, Arnold
 ; TITLE OF INVENTION: BPI-Immunoglobulin Fusion Proteins
 ; NUMBER OF SEQUENCES: 18
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 19930519
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Meyers Thomas C.
 ; REGISTRATION NUMBER: 36,989
 ; REFERENCE/DOCKET NUMBER: 30659
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 10:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 18 base pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: CDNA
 ; US-08-072-063-10

Query Match 0.8%; Score 13.2; DB 1; Length 18;
 Best Local Similarity 83.3%; Pred. No. 2.2e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 937 GCGCTGCTGCTCACCGC 954
 Db 1 GCACCTGCTACTGACCGC 18

RESULT 236
 US-08-050-232-11
 ; Sequence 11, Application US/08050232
 ; Patent No. 5525492
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: Process for Amplifying Nucleic Acid
 ; NUMBER OF SEQUENCES: 14
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marks & Murase
 ; STREET: 2001 L Street, N.W., Suite 750
 ; CITY: Washington
 ; STATE: D.C.
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: MS-DOS
 ; SOFTWARE: Wordstar
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 14-MAY-1993
 ; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: GB 9024005.2
 ; FILING DATE: 05-NOV-1990
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: WO PCT/GB91/01935
 ; FILING DATE: 05-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Michael D. Bednarek
 ; REGISTRATION NUMBER: 32,329
 ; REFERENCE/DOCKET NUMBER: SH-PCT-2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-955-4900
 ; TELEFAX: 202-955-4932
 ; TELEX: 248749
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 18 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-050-232-11

Query Match 0.8%; Score 13.2; DB 1; Length 18;
 Best Local Similarity 83.3%; Pred. No. 2.2e+02;
 Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 673 CTACGAGTCCAAAGGCACA 690
 Db 1 CTGCAAGGCCAAAGGCACA 18

RESULT 237
 US-08-145-704-42/c
 ; Sequence 42, Application US/08145704
 ; Patent No. 5567604
 ; GENERAL INFORMATION:
 ; APPLICANT: Rando, Robert F.
 ; APPLICANT: Pennewald, Susan
 ; APPLICANT: Zendegeul, Joseph G.
 ; APPLICANT: Joshua O. Ojwang
 ; TITLE OF INVENTION: Anti-Viral Guanosine-Rich
 ; TITLE OF INVENTION: Oligonucleotides
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fulbright & Jaworski
 ; STREET: 1301 McKinney, Suite 5100
 ; CITY: Houston
 ; STATE: Texas
 ; COUNTRY: U.S.A.
 ; ZIP: 77010-3095
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/145,704
 ; FILING DATE: 28-OCT-1993
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/053,027
 ; FILING DATE: 23-APR-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Paul, Thomas D.
 ; REGISTRATION NUMBER: 32,714
 ; REFERENCE/DOCKET NUMBER: D-5574-CIP
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 713/651-5151
 ; TELEFAX: 713/651-5246
 ; TELEX: 762829
 ; INFORMATION FOR SEQ ID NO: 42:
 ; SEQUENCE CHARACTERISTICS:

;/ LENGTH: 18 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: DNA (genomic)
;/ FEATURE:
;/ NAME/KEY: misc_feature
;/ LOCATION: 18
;/ OTHER INFORMATION: /note= "Amine moiety attached to 3'
;/ OTHER INFORMATION: end"
;/ US-08-145-704-42

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1545 GGGGGGCGGGGAGGGG 1562
Db 18 GGGGGGCGGGGAGGGG 1

RESULT 238
US-08-145-704-43/c
; Sequence 43, Application US/08145704
; Patent No. 5567604
; GENERAL INFORMATION:
; APPLICANT: Rando, Robert F.
; APPLICANT: Fennewald, Susan
; APPLICANT: Zendegei, Joseph G.
; APPLICANT: Joshua O. Ojwang
; TITLE OF INVENTION: Anti-Viral Guanoxine-Rich
; TITLE OF INVENTION: Oligonucleotides
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski
; STREET: 1301 McKinney, Suite 5100
; CITY: Houston
; STATE: Texas
; COUNTRY: U.S.A.
; ZIP: 77010-3095
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/145,704
; FILING DATE: 28-OCT-1993
; CLASSIFICATION: 514
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/053,027
; FILING DATE: 23-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul, Thomas D.
; REGISTRATION NUMBER: 32,714
; REFERENCE/DOCKET NUMBER: D-5574-CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 713/651-5151
; TELEFAX: 713/651-5246
; TELEX: 762829
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: /note= "Amine moiety attached to 3'
; OTHER INFORMATION: end and phosphorothioate backbone"
; US-08-145-704-43

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1545 GGGGGGCGGGGAGGGG 1562
Db 18 GGGGGGCGGGGAGGGG 1

RESULT 239
US-08-161-673A-5
; Sequence 5, Application US/08161673A
; Patent No. 5578716
; GENERAL INFORMATION:
; APPLICANT: Szyl, Moshe
; APPLICANT: von Hofe, Eric
; TITLE OF INVENTION: Antisense Oligonucleotides Having
; TITLE OF INVENTION: Tumorigenicity-Inhibiting Activity
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti, Ltd.
; STREET: 10 S. Wacker
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/161,673A
; FILING DATE: December 1, 1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Greenfield, Michael S.
; REGISTRATION NUMBER: 37,142
; REFERENCE/DOCKET NUMBER: 93,1027
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..18
; OTHER INFORMATION: /note= "PRIMER 1-18"

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 212 GGACTGGGTGGGACCG 229
Db 1 GGACTGGGTGGGACCG 18

RESULT 240
US-08-435-350-38
; Sequence 38, Application US/08435350
; Patent No. 5599704
; GENERAL INFORMATION:
; APPLICANT: James D. Thompson
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: METHOD AND REAGENT FOR

```

; TITLE OF INVENTION: TREATMENT OF BREAST CANCER
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,350
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936,531
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 197/245
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-435-350-38

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 72.2%; Pred. No. 2.2e+02;
Matches 13; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1503 CCTGACCCGCTGGGCA 1520
DB 1 CCUGCAAGGCGUGGCA 18

RESULT 241
US-08-064-693-10
; Sequence 10, Application US/08064693
; Patent No. 5643570
; GENERAL INFORMATION:
; APPLICANT: Thecfan, Georgia
; APPLICANT: Grinna, Lynn S
; APPLICANT: Horwitz, Arnold
; TITLE OF INVENTION: BPI-Immunoglobulin Fusion Proteins
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Borun
; STREET: 6300 Sears Tower, 233 South Wacker
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/064,693
; FILING DATE: 19930519
; CLASSIFICATION: 424
```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers Thomas C.
; REGISTRATION NUMBER: 36,989
; REFERENCE/DOCKET NUMBER: 30659
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-064-693-10

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 937 GCGCTCTCTGCTACCGC 954
DB 1 GCACCTGCTACTGACCGC 18

RESULT 242
US-08-483-122-7/c
; Sequence 7, Application US/08483122
; Patent No. 5750376
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hamman, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo
; TITLE OF INVENTION: Proliferation and Use of Multipotent
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton
; ADDRESSEE: & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,122
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-2/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; US-08-483-122-7
```

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CGAGATGCTGCTGCTGGC 165
Db 18 CGAGGTGATGCCGCTGGC 1

RESULT 243

US-08-483-122-8
; Sequence 8, Application US/08483122
; Patent No. 5750376
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hamman, Joseph P.
; APPLICANT: Baerger, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo
; TITLE OF INVENTION: Proliferation and Use of Multipotent
; TITLE OF INVENTION: Neural Stem Cells and their Progeny
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton
; ADDRESSEE: & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,122
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-2/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
US-08-483-122-8

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CGAGATGCTGCTGCTGGC 165
Db 1 CGAGGTGATGCCGCTGGC 18

RESULT 244

US-08-661-767-11
; Sequence 11, Application US/08661767
; Patent No. 5824515
; GENERAL INFORMATION:
; APPLICANT: Adrian Vivian Sinton HILL
; TITLE OF INVENTION: Process for Amplifying Nucleic Acid
; NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
ADDRESSEE: WENDEROTH, LIND & PONACK
STREET: 805 Fifteenth Street, Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/661,767
FILING DATE: June 11, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9024005.2
FILING DATE: 05-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB91/01935
FILING DATE: 05-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER: 263/KFVW1540US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-661-767-11

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 673 CTGAGAGTCCAAAGGCACA 690
Db 1 CTGCAAGGCCAAAGGCACA 18

RESULT 245

US-08-117-952-745/c
; Sequence 745, Application US/08117952
; Patent No. 5851760
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; APPLICANT: Smith, Michael W.
; TITLE OF INVENTION: METHOD FOR GENERATION OF SEQUENCE
; TITLE OF INVENTION: SAMPLED MAPS OF COMPLEX GENOMES
; NUMBER OF SEQUENCES: 797
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/117,952
FILING DATE: 07-SEP-1993

```
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/078,471
/ FILING DATE: 15-JUN-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Reiter, Stephen E.
/ REGISTRATION NUMBER: 31,192
/ REFERENCE/DOCKET NUMBER: P41 9423
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 619-546-4737
/ TELEFAX: 619-546-9392
/ INFORMATION FOR SEQ ID NO: 745:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Oligonucleotide
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-117-952-745

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      11 CACGAGGGGAGAGCGCA 28
Db      18 CACGAGTCAGTGAGCGCA 1

RESULT 246
US-08-486-648-7/c
; Sequence 7, Application US/08486648
; Patent No. 5851832
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hamming, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo Proliferation and
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohnbach, Test, Albritton
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,648
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-1/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
/ US-08-486-648-8

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      148 CGAGATGCTGCTGCTGGC 165
Db      1 CGAGGTGATGCCGCTGGC 1

RESULT 247
US-08-486-648-8
; Sequence 8, Application US/08486648
; Patent No. 5851832
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hamming, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo Proliferation and
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohnbach, Test, Albritton
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,648
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-1/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
/ US-08-486-648-8

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      148 CGAGATGCTGCTGCTGGC 165
Db      1 CGAGGTGATGCCGCTGGC 18

RESULT 248
US-08-875-445-1
; Sequence 1, Application US/08875445
; Patent No. 5869642
; GENERAL INFORMATION:
```

```

; APPLICANT: Kanta SAKAMOTO
; TITLE OF INVENTION: DETECTION OF THE GENUS PECTINATUS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,445
; FILING DATE: July 28, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee Cheng
; REGISTRATION NUMBER: 40,949
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX: 202-371-8856
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotides
; US-08-875-445-1

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```

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e-02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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```

QY 436 CAGGCTGATGACTCAGAG 453
Db 1 CAGGCGGATGACTAAGCG 18

```

```

RESULT 249
US-08-875-445-11/c
; Sequence 11, Application US/08875445
; Patent No. 5869642
; GENERAL INFORMATION:
; APPLICANT: Kanta SAKAMOTO
; TITLE OF INVENTION: DETECTION OF THE GENUS PECTINATUS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/875,445
; FILING DATE: July 28, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee Cheng
; REGISTRATION NUMBER: 40,949
; REFERENCE/DOCKET NUMBER:

```

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX: 202-371-8856
; TELEX:
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotides
; US-08-875-445-11
; Query Match 0.8%; Score 13.2; DB 1; Length 18;
; Best Local Similarity 83.3%; Pred. No. 2.2e-02;
; Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
; QY 436 CAGGCTGATGACTCAGAG 453
; Db 18 CAGGCGGATGACTAAGCG 1
; RESULT 250
; US-08-358-556A-24/c
; Sequence 24, Application US/08358556A
; Patent No. 5869643
; GENERAL INFORMATION:
; APPLICANT: Chatelain, Francois
; APPLICANT: Kumarev, Viktor
; TITLE OF INVENTION: Process for Preparing Polynucleotides on
; TITLE OF INVENTION: a Solid Support and Apparatus Permitting its
; TITLE OF INVENTION: Implementation
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jacobson, Price, Holman & Stern
; STREET: 400 Seventh St. N.W.
; CITY: Washington D.C.
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/358,556A
; FILING DATE: 14-DEC-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 9315164
; FILING DATE: 16-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Player, William E.
; REGISTRATION NUMBER: 31,409
; REFERENCE/DOCKET NUMBER: 10577/P58418
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 638-6666
; TELEFAX: (202) 393-5350
; TELEX: RCA 248593 IDEA UR
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; NAME/KEY: CDS
; LOCATION: 1..18
; US-08-358-556A-24

```

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGGCGGGGAGGGG 1562

DB 18 GGGGGGGGGGGGGGGG 1

RESULT 251

US-08-611-280-15
Sequence 15, Application US/08611280
Patent No. 5891666
GENERAL INFORMATION:
APPLICANT: Matsuyama, Toshifumi
APPLICANT: Grossman, Alex
APPLICANT: Richardson, Christopher D.
TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Angen Canada Inc.
STREET: 6733 Mississauga Road, Suite 303
CITY: Mississauga
STATE: Ontario
COUNTRY: Canada
ZIP: L5N 6J8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/611,280
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Olecki, Nancy A.
REGISTRATION NUMBER: 34,688
REFERENCE/DOCKET NUMBER: A-338A
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-611-280-15

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 502 GCCAGGAGTGAAGTGG 519

DB 1 CCTAGAGTGAAGTGG 18

RESULT 252

US-08-734-973-30
Sequence 30, Application US/08734973
Patent No. 5912147
GENERAL INFORMATION:
APPLICANT: Stoler, Daniel L.
APPLICANT: Basik, Mark
APPLICANT: Anderson, Garth R.
TITLE OF INVENTION: A Rapid Means For Quantitating
TITLE OF INVENTION: Genomic Instability
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hodgson, Russ, Andrews, Woods & Goodyear
STREET: 1800 One M&T Plaza
CITY: Buffalo

STATE: New York
COUNTRY: United States
ZIP: 14203-2391
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS/ Microsoft Windows
SOFTWARE: WordPerfect for Windows
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/734,973
FILING DATE: October 1996
ATTORNEY/AGENT INFORMATION:
NAME: Nelson, M. Bud
REGISTRATION NUMBER: 35,300
REFERENCE/DOCKET NUMBER: 03551.0021
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 856-4000
TELEFAX: (716) 849-0349
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single-stranded
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: No
US-08-734-973-30

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 72 CACAGGCACACCCGCC 89

DB 1 CACACACACACACACC 18

RESULT 253

US-08-481-876-5
Sequence 5, Application US/08481876
Patent No. 5919772
GENERAL INFORMATION:
APPLICANT: Szyf, Moshe
APPLICANT: von Hofe, Eric
TITLE OF INVENTION: Antisense Oligonucleotides Having
TITLE OF INVENTION: Tumorigenicity-Inhibiting Activity
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Allegretti, Ltd.
STREET: 10 S. Wacker
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1 for Windows
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,876
FILING DATE: June 7, 1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Greenfield, Michael S.
REGISTRATION NUMBER: 37,142
REFERENCE/DOCKET NUMBER: 93,1027-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1000
TELEFAX: 312-715-1234
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs

```
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: CDNA
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: 1..18
/ OTHER INFORMATION: /note= "PRIMER 1-18"
US-08-481-876-5

Query Match
Best Local Similarity 0.8%; Score 13.2; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 212 GGACTGGCGTGGGACCG 229
DB 1 GGACTGGCGTGGGACCG 18

RESULT 254
US-08-885-126-12/c
Sequence 12, Application US/08885126A
Patent No. 5955597
GENERAL INFORMATION:
APPLICANT: Arnold, Lyle J.
APPLICANT: Riley, Timothy A.
APPLICANT: Reynolds, Mark A.
APPLICANT: Schwartz, David A.
TITLE OF INVENTION: CHIRALLY ENRICHED SYNTHETIC PHOSPHATE
FILE REFERENCE: GENTA-020FW2
CURRENT APPLICATION NUMBER: US/08/885,126A
CURRENT FILING DATE: 1997-06-30
EARLIER FILING DATE: 1994-11-21
EARLIER APPLICATION NUMBER: 08/343,018
EARLIER FILING DATE: 1994-11-21
EARLIER APPLICATION NUMBER: 08/154,013
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 12
LENGTH: 18
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Chemically synthesized oligomer
US-08-885-126-12

Query Match
Best Local Similarity 0.8%; Score 13.2; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGAG 29
DB 18 AGAGAGAGAGAGAGAG 1

RESULT 255
US-08-486-307-7/c
Sequence 7, Application US/08486307
Patent No. 5940885
GENERAL INFORMATION:
APPLICANT: Weiss, Samuel
APPLICANT: Reynolds, Brent A.
APPLICANT: Hammang, Joseph P.
APPLICANT: Baetge, Edward E.
TITLE OF INVENTION: In Vitro and In Vivo
TITLE OF INVENTION: Proliferation and Use of Multipotent
TITLE OF INVENTION: Neural Stem Cells and their
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hobbach, Test, Albritton
ADDRESSEE: & Herbert
```

```
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/486,307
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brunelle, Jan P.
/ REGISTRATION NUMBER: 35,081
/ REFERENCE/DOCKET NUMBER: A-61105-3/DJB/JPB
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: cDNA
US-08-486-307-7

Query Match
Best Local Similarity 0.8%; Score 13.2; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGCG 165
DB 18 CGAGGTGATGCTGCTGCG 1

RESULT 256
US-08-486-307-8
Sequence 8, Application US/08486307
Patent No. 5950885
GENERAL INFORMATION:
APPLICANT: Weiss, Samuel
APPLICANT: Reynolds, Brent A.
APPLICANT: Hammang, Joseph P.
APPLICANT: Baetge, Edward E.
TITLE OF INVENTION: In Vitro and In Vivo
TITLE OF INVENTION: Proliferation and Use of Multipotent
TITLE OF INVENTION: Neural Stem Cells and their
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hobbach, Test, Albritton
ADDRESSEE: & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,307
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Brunelle, Jan P.
```

```
/
/ REGISTRATION NUMBER: 35,081
/ REFERENCE/DOCKET NUMBER: A-61105-3/DJB/JPB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/ TELEX: 910 277299
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: cDNA
/ US-08-486-307-8

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGCGC 165
Db 1 CGAGGTGATGCCCTGCGC 18

RESULT 257
US-09-205-860-14
; Sequence 14, Application US/09205860
; Patent No. 5981732
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
; FILE REFERENCE: RTS-0031
; CURRENT APPLICATION NUMBER: US/09/205,860
; CURRENT FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 14
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-860-14

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 603 CTGACCGCGACGCGCAGCA 620
Db 1 CGACCGCGACGCGCAGGA 18

RESULT 258
US-09-205-921-34/c
; Sequence 34, Application US/09205921A
; Patent No. 6008048
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: ex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF EGR-1 EXPRESSION
; FILE REFERENCE: RTS-0028
; CURRENT APPLICATION NUMBER: US/09/205,921A
; CURRENT FILING DATE: 1998-12-04
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 34
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-921-34

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 603 CTGACCGCGACGCGCAGCA 620
Db 1 CGACCGCGACGCGCAGGA 18

RESULT 259
US-09-289-376-9
; Sequence 9, Application US/09289376
; Patent No. 6013788
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD3 EXPRESSION
; FILE REFERENCE: RTS-0043
; CURRENT APPLICATION NUMBER: US/09/289,376
; CURRENT FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-376-9

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 814 GGACCGCGTCTGCGCGC 831
Db 1 GGAGGCGTCTGCGCGCGC 18

RESULT 260
US-09-289-376-30/c
; Sequence 30, Application US/09289376
; Patent No. 6013788
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD3 EXPRESSION
; FILE REFERENCE: RTS-0043
; CURRENT APPLICATION NUMBER: US/09/289,376
; CURRENT FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 30
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-376-30

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1194 TCACGGCCCGCAGGCACCA 1211
Db 18 TCCCGGCCCGCAGTCAGCA 1

RESULT 261
US-09-185-437-5
; Sequence 5, Application US/09185437
; Patent No. 6054439
; GENERAL INFORMATION:
; APPLICANT: SZYE, Moshe
; APPLICANT: von Hofe, Eric
```

;; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES HAVING
;; TITLE OF INVENTION: TUMORIGENICITY-INHIBITING ACTIVITY
;; NUMBER OF SEQUENCES: 12
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: HALE AND DORR LLP
;; STREET: 60 State Street
;; CITY: Boston
;; STATE: MA
;; COUNTRY: United States of America
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/185,437
;; FILING DATE: 17-FEB-1998
;; CLASSIFICATION: 514
;; ATTORNEY/AGENT INFORMATION:
;; NAME: KEOWN, Wayne A.
;; REGISTRATION NUMBER: 33,923
;; REFERENCE/DOCKET NUMBER: 106.101.138
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 617 526 6000
;; TELEFAX: 617 526 5000
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 18 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: CDNA
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: 1..18
;; OTHER INFORMATION: /note= "PRIMER 1-18"
US-09-185-437-5

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 212 GGACTGGCGTGGGACCG 229
|||||
Db 1 GGACTGGCGTGGGACCG 18

RESULT 262
US-08-479-795-7/c
; Sequence 7, Application US/08479795
; Patent No. 6071889
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hammang, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo
; TITLE OF INVENTION: Proliferation and Use of Multipotent
; TITLE OF INVENTION: Neural Stem Cells and their Progeny
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/479,795
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Brunelle, Jan P.
;; REGISTRATION NUMBER: 35,081
;; REFERENCE/DOCKET NUMBER: A-61105-6/DJB/JPB
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 781-1989
;; TELEFAX: (415) 398-3249
;; TELEX: 910 277299
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 18 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: unknown
;; TOPOLOGY: unknown
;; MOLECULE TYPE: CDNA
US-08-479-795-7
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 148 CGAGATGCTGCTGCTGGC 165
|||||
Db 18 CGAGGTGATGCCGCTGGC 1
RESULT 263
US-08-479-795-8
; Sequence 8, Application US/08479795
; Patent No. 6071889
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hammang, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo
; TITLE OF INVENTION: Proliferation and Use of Multipotent
; TITLE OF INVENTION: Neural Stem Cells and their Progeny
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,795
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-6/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid

```
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
US-08-479-795-8

Query Match          0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 148 CGAGATGCTGCTGCTGC 165
Db 1 CGAGGTGATCGCGTGC 18

RESULT 264
US-09-143-212-44
; Sequence 44, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia and Lex M. Cowart
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
; FILE REFERENCE: RFS-0005
; CURRENT APPLICATION NUMBER: US/09/143.212B
; CURRENT FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 44
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-44

Query Match          0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1368 GCGGGCGCGCGCGGCA 1385
Db 1 GCGGCGCGCGCGGCTTCA 18

RESULT 265
US-08-987-574-42/c
; Sequence 42, Application US/08987574
; Patent No. 6150339
; GENERAL INFORMATION:
; APPLICANT: Rando, Robert F.
; APPLICANT: Fennewald, Susan
; APPLICANT: Zendegeul, Joseph G.
; APPLICANT: Ojwang, Joshua O.
; APPLICANT: Hogan, Michael E.
; TITLE OF INVENTION: Anti-Vital Guanosine-Rich
; TITLE OF INVENTION: Oligonucleotides
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski
; STREET: 1301 McKinney, Suite 5100
; CITY: Houston
; STATE: Texas
; COUNTRY: U.S.A.
; ZIP: 77010-3095
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/987,574
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/04529
; FILING DATE: 28-OCT-1993
; APPLICATION NUMBER: US 08/053,027
; FILING DATE: 23-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul, Thomas D.
; REGISTRATION NUMBER: 32,714
; REFERENCE/DOCKET NUMBER: D-5574-CIP
; TELECOMMUNICATION INFORMATION:
```

```
; FILING DATE: 28-OCT-1993
; APPLICATION NUMBER: US 08/053,027
; FILING DATE: 23-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul, Thomas D.
; REGISTRATION NUMBER: 32,714
; REFERENCE/DOCKET NUMBER: D-5574-CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 713/651-5151
; TELEFAX: 713/651-5246
; TELEX: 762829
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: /note= "Amine moiety
; OTHER INFORMATION: attached to 3' end"
US-08-987-574-42

Query Match          0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1545 GGGGGCGCGGGGAGGG 1562
Db 18 GGGGGCGGGGGGGGGGG 1

RESULT 266
US-08-987-574-43/c
; Sequence 43, Application US/08987574
; Patent No. 6150339
; GENERAL INFORMATION:
; APPLICANT: Rando, Robert F.
; APPLICANT: Fennewald, Susan
; APPLICANT: Zendegeul, Joseph G.
; APPLICANT: Ojwang, Joshua O.
; APPLICANT: Hogan, Michael E.
; TITLE OF INVENTION: Anti-Viral Guanosine-Rich
; TITLE OF INVENTION: Oligonucleotides
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski
; STREET: 1301 McKinney, Suite 5100
; CITY: Houston
; STATE: Texas
; COUNTRY: U.S.A.
; ZIP: 77010-3095
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/987,574
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/04529
; FILING DATE: 28-OCT-1993
; APPLICATION NUMBER: US 08/053,027
; FILING DATE: 23-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul, Thomas D.
; REGISTRATION NUMBER: 32,714
; REFERENCE/DOCKET NUMBER: D-5574-CIP
; TELECOMMUNICATION INFORMATION:
```

TELEPHONE: 713/651-5151
TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
OTHER INFORMATION: attached to 3' end and phosphorothioate
OTHER INFORMATION: backbone"
US-08-987-574-43

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCCGGGGGAGGGG 1562
|||||
DB 18 GGGGGGGGGGGGGGGG 1

RESULT 267
US-08-652-425-3
Sequence 3, Application US/08652425
Patent No. 6184211
GENERAL INFORMATION:
APPLICANT: SV2zf, Moshe
TITLE OF INVENTION: INHIBITION OF DNA METHYLTRANSFERASE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: HALE AND DORR LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,425
FILING DATE: 30-MAY-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Keown, Wayne A
REGISTRATION NUMBER: 33,923
REFERENCE/DOCKET NUMBER: 106.101.161
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 526-6000
TELEFAX: (617) 526-5000
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-652-425-3

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 212 GGACTGGCGTGGGACCG 229
|||||
DB 1 GGACTGGCGTGGGACCG 18

RESULT 268
US-08-535-168-42/c
Sequence 42, Application US/08535168
Patent No. 6184369
GENERAL INFORMATION:
APPLICANT: Rando, Robert F.
APPLICANT: Pennewald, Susan
APPLICANT: Zendegeui, Joseph G.
APPLICANT: Ojwang, Joshua O.
APPLICANT: Hogan, Michael E.
TITLE OF INVENTION: Anti-Viral Guanosine-Rich
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/535,168
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/04529
FILING DATE: 28-OCT-1993
APPLICATION NUMBER: US 08/053,027
FILING DATE: 23-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5574-CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5151
TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
OTHER INFORMATION: attached to 3' end"
US-08-535-168-42

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCCGGGGGAGGGG 1562
|||||
DB 18 GGGGGGGGGGGGGGGG 1

RESULT 269
US-08-535-168-43/c
Sequence 43, Application US/08535168

Patent No. 6184369
GENERAL INFORMATION:
APPLICANT: Rando, Robert F.
APPLICANT: Fennelwald, Susan
APPLICANT: Zendegeui, Joseph G.
APPLICANT: Ojwang, Joshua O.
APPLICANT: Hogan, Michael E.
TITLE OF INVENTION: Anti-Viral Guanosine-Rich
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/535,168
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/04529
FILING DATE: 28-OCT-1993
APPLICATION NUMBER: US 08/053,027
FILING DATE: 23-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5574-CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5151
TELEFAX: 713/651-5246
TELEX: 762829
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
OTHER INFORMATION: attached to 3' end and phosphorothioate
OTHER INFORMATION: backbone"
US-08-535-168-43

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1545 GGGGGGGGGGGGGGGGG 1562
Db 18 GGGGGGGGGGGGGGGGG 1

RESULT 270
US-08-849-488-11/c
Sequence 11, Application US/08849488
Patent No. 6238670
GENERAL INFORMATION:
APPLICANT: Fearon, Douglas T.
APPLICANT: Dempsey, Paul W.
TITLE OF INVENTION: Modulating the Immune Response
FILE REFERENCE: A-64962/WHO/DAV
CURRENT APPLICATION NUMBER: US/08/849,488

CURRENT FILING DATE: 1997-10-21
EARLIER APPLICATION NUMBER: PCT/GB95/02851
EARLIER FILING DATE: 1995-12-06
EARLIER APPLICATION NUMBER: GB 9424631.1
EARLIER FILING DATE: 1994-12-06
NUMBER OF SEQ ID NOS: 16
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 11
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: oligomer
US-08-849-488-11

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 124 CTCGGAAGTCATTCAGTTC 141
Db 18 CTCAGAGTCTTCAGTC 1

RESULT 271
US-09-195-940-15
Sequence 15, Application US/09195940
Patent No. 6258935
GENERAL INFORMATION:
APPLICANT: Matsuyama, Toshifumi
APPLICANT: Grossman, Alex
APPLICANT: Richardson, Christopher D.
TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Canada Inc.
STREET: 6733 Mississauga Road, Suite 303
CITY: Mississauga
STATE: Ontario
COUNTRY: Canada
ZIP: L5N 6J8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/195,940
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/611,280
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Oleski, Nancy A.
REGISTRATION NUMBER: 34,688
REFERENCE/DOCKET NUMBER: A-338A
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-195-940-15

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 502 GCCAGGAGTGAAGTCGCG 519
Db 18 GCCAGGAGTGAAGTCGCG 1

RESULT 270
US-08-849-488-11/c
Sequence 11, Application US/08849488
Patent No. 6238670
GENERAL INFORMATION:
APPLICANT: Fearon, Douglas T.
APPLICANT: Dempsey, Paul W.
TITLE OF INVENTION: Modulating the Immune Response
FILE REFERENCE: A-64962/WHO/DAV
CURRENT APPLICATION NUMBER: US/08/849,488

Db 1 GCTAGAAGTGAAGTCTGAG 18

RESULT 272

US-09-437-076-3
; Sequence 3, Application US/09437076
; Patent No. 6261779

GENERAL INFORMATION:

; APPLICANT: Barber-Guillem, Emilio
; APPLICANT: Nelson, M. Bud

; APPLICANT: Castro, Stephanie

; TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form

; CURRENT APPLICATION NUMBER: US/09/437,076

; CURRENT FILING DATE: 1999-11-09

; EARLIER APPLICATION NUMBER:

; EARLIER FILING DATE:

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: Word for Windows

; SEQ ID NO 3

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Artificial sequence

; FEATURE:

; NAME/KEY:

; LOCATION:

; OTHER INFORMATION: synthesized

US-09-437-076-3

Query Match 0.8%; Score 13.2; DB 1; Length 18;

Best Local Similarity 83.3%; Pred. No. 2.2e+02;

Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCCGGGGGGGGG 1562

Db 1 GGGGGGGGGGGGGGGG 18

RESULT 273

US-09-437-076-4/c

; Sequence 4, Application US/09437076

; Patent No. 6261779

; GENERAL INFORMATION:

; APPLICANT: Barber-Guillem, Emilio

; APPLICANT: Nelson, M. Bud

; APPLICANT: Castro, Stephanie

; TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form

; CURRENT APPLICATION NUMBER: US/09/437,076

; CURRENT FILING DATE: 1999-11-09

; EARLIER APPLICATION NUMBER:

; EARLIER FILING DATE:

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: Word for Windows

; SEQ ID NO 4

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Artificial sequence

; FEATURE:

; NAME/KEY:

; LOCATION:

; OTHER INFORMATION: synthesized

US-09-437-076-4

Query Match 0.8%; Score 13.2; DB 1; Length 18;

Best Local Similarity 83.3%; Pred. No. 2.2e+02;

Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1546 GGGGGCCGGGGGGGGG 1563

Db 18 GGGGGGGGGGGGGGGG 1

RESULT 274

US-08-885-366-10

; Sequence 10, Application US/08885366

; Patent No. 6274348

; GENERAL INFORMATION:

; APPLICANT: Theofan, Georgia

; APPLICANT: Grinna, Lynn S

; APPLICANT: Horwitz, Arnold

; TITLE OF INVENTION: BPI-Immunoglobulin Fusion Proteins

; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &

; ADDRESSEE: Borun

; STREET: 6300 Sears Tower, 233 South Wacker

; CITY: Chicago

; STATE: Illinois

; COUNTRY: USA

; ZIP: 60606-6402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/885,366

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/064,693

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Meyers Thomas C.

; REGISTRATION NUMBER: 36,989

; REFERENCE/DOCKET NUMBER: 30659

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312/474-6300

; TELEFAX: 312/474-0448

; TELEX: 25-3856

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 18 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-08-885-366-10

Query Match 0.8%; Score 13.2; DB 1; Length 18;

Best Local Similarity 83.3%; Pred. No. 2.2e+02;

Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 937 GGGCTGCTGCTCAGCGC 954

Db 1 GCACCTGCTACTGACGCG 18

RESULT 275

US-09-017-974-42/c

; Sequence 42, Application US/09017974

; Patent No. 6288042

; GENERAL INFORMATION:

; APPLICANT: Rando, Robert F.

; APPLICANT: Ojwang, Joshua O.

; APPLICANT: Hogan, Michael E.

; APPLICANT: Wallace, Thomas L.

; APPLICANT: Cossum, Paul A.

; TITLE OF INVENTION: Anti-Viral Guanosine-Rich

; NUMBER OF SEQUENCES: 88

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Conley, Rose & Tayon, P.C.

; STREET: 600 Travis, Suite 1800

; CITY: Houston

; STATE: Texas

; COUNTRY: U.S.A.

```

; ZIP: 77002-2912
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS Word 97 (saved as .txt file)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/017,974
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/037,374
; FILING DATE: 04-FEB-97
; APPLICATION NUMBER:
; FILING DATE: 09-DEC-97
; ATTORNEY/AGENT INFORMATION:
; NAME: McDaniel, C. Steven
; REGISTRATION NUMBER: 33,962
; REFERENCE/DOCKET NUMBER: 1472-06223
; TELEPHONE: 713/238-8010
; TELEFAX: 713/238-8008
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: /note= "Amine moiety
; OTHER INFORMATION: attached to 3' end"
US-09-017-974-42
Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY   1545 GGCGGGCCGCGGGAGGGG 1562
Db    | ||||| ||||| ||||| |||||
       18 GGCGGGCCGCGGGAGGGG 1

RESULT 276
US-09-017-974-43/c
; Sequence 43, Application US/09017974
; Patent No. 6288042
; GENERAL INFORMATION:
; APPLICANT: Rando, Robert F.
; APPLICANT: Ojwang, Joshua O.
; APPLICANT: Hogan, Michael E.
; APPLICANT: Wallace, Thomas L.
; APPLICANT: Cossum, Paul A.
; TITLE OF INVENTION: Anti-Viral Guanosine-Rich Nucleotides Tetrad Forming Oligonucleotides
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Conley, Rose & Tayon, P.C.
; STREET: 600 Travis, Suite 1800
; CITY: Houston
; STATE: Texas
; COUNTRY: U.S.A.
; ZIP: 77002-2912
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS Word 97 (saved as .txt file)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/017,974
; FILING DATE:

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TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
US-08-484-406-7

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGGC 165
|||||
Db 18 CGAGGTGATGCCGTGGC 1

RESULT 278

US-08-484-406-8
Sequence 8, Application US/08484406
Patent No. 6294346

GENERAL INFORMATION:
APPLICANT: Weiss, Samuel

APPLICANT: Reynolds, Brent A.
APPLICANT: Hammang, Joseph P.
APPLICANT: Baetge, Edward E.

TITLE OF INVENTION: In Vitro and In Vivo Proliferation and
Use of Multipotent Neural Stem Cells and their Progeny

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton

ADDRESSEE: & Herbert

STREET: Four Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: United States

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,406

FILING DATE: 07-JUN-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Brunelle, Jan P.

REGISTRATION NUMBER: 35,081

REFERENCE/DOCKET NUMBER: A-61105-5/DJB/JPB

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: cDNA

US-08-484-406-8

Query Match

Best Local Similarity 0.8%; Score 13.2; DB 1; Length 18;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGGC 165
|||||
Db 1 CGAGGTGATGCCGTGGC 18

RESULT 279

US-08-700-530-4/c

Sequence 4, Application US/08700530

Patent No. 6316186

GENERAL INFORMATION:

APPLICANT: EKINS, Roger P

TITLE OF INVENTION: Binding assay using binding agents with tail groups

FILE REFERENCE: 0380-P01180US0

CURRENT APPLICATION NUMBER: US/08/700,530

CURRENT FILING DATE: 1996-10-23

PRIOR APPLICATION NUMBER: PCI/GB95/00521

PRIOR FILING DATE: 1995-03-10

PRIOR APPLICATION NUMBER: GB 9404709.9

PRIOR FILING DATE: 1994-03-11

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 4

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence:

OTHER INFORMATION: Oligonucleotide

US-08-700-530-4

Query Match 0.8%; Score 13.2; DB 1; Length 18;

Best Local Similarity 83.3%; Pred. No. 2.2e+02;

Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGAG 29

Db 18 AGAGAGAGAGAGAGAGAG 1

RESULT 280

US-08-682-255A-42/c

Sequence 42, Application US/08682255A

Patent No. 6323185

GENERAL INFORMATION:

APPLICANT: Rando, Robert F.

APPLICANT: Fennewald, Susan

APPLICANT: Zendequi, Joseph G.

APPLICANT: Ojwang, Joshua O.

APPLICANT: Hogan, Michael E.

APPLICANT: Pommer, Eyles

APPLICANT: Mazumder, Abhijit

TITLE OF INVENTION: Anti-Viral Guanosine-Rich

NUMBER OF SEQUENCES: 87

CORRESPONDENCE ADDRESS:

ADDRESSEE: Conley, Rose & Tavon, P.C.

STREET: 500 Travis, Suite 1850

CITY: Houston

STATE: Texas

COUNTRY: U.S.A.

ZIP: 77002-2912

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: MS Windows 95

SOFTWARE: MS Word 97 (saved as .txt file)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/682,255A

FILING DATE: 17-JULY-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US 08/535,168

FILING DATE: 23-OCT-95

APPLICATION NUMBER: 60/001,505

FILING DATE: 19-JULY-95

APPLICATION NUMBER: 60/014,007

FILING DATE: 25-MARCH-96

APPLICATION NUMBER: 60/013,688
FILING DATE: 19-MARCH-96
APPLICATION NUMBER: 60/015,714
FILING DATE: 17-APRIL-96
APPLICATION NUMBER: 60/016,271
FILING DATE: 23-APRIL-96
ATTORNEY/AGENT INFORMATION:
NAME: McDaniel, C. Steven
REGISTRATION NUMBER: 33,962
REFERENCE/DOCKET NUMBER: 1472-06214
TELEPHONE: 713/238-8010
TELEFAX: 713/238-8008
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
OTHER INFORMATION: attached to 3' end"
US-08-682-255A-42

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGAGGGG 1562
|||||
DB 18 GGGGGGGGGGGGGGGG 1

RESULT 281
US-08-682-255A-43/c
Sequence 43, Application US/08682255A
Patent No. 6323185
GENERAL INFORMATION:
APPLICANT: Rando, Robert F.
APPLICANT: Fennwald, Susan
APPLICANT: Zendequi, Joseph G.
APPLICANT: Ojwang, Joshua O.
APPLICANT: Hogan, Michael E.
APPLICANT: Pommier, Eyles
APPLICANT: Mazumder, Abhijit
TITLE OF INVENTION: Anti-Viral Guanosine-Rich
Oligonucleotides
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSEE: Conley, Rose & Tayon, P.C.
STREET: 600 Travis, Suite 1850
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77002-2912
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS Windows 95
SOFTWARE: MS Word 97 (saved as .txt file)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/682,255A
FILING DATE: 17-JULY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/535,168
FILING DATE: 23-OCT-95
APPLICATION NUMBER: 60/001,505
FILING DATE: 19-JULY-95
APPLICATION NUMBER: 60/014,007

FILING DATE: 25-MARCH-96
APPLICATION NUMBER: 60/013,688
FILING DATE: 19-MARCH-96
APPLICATION NUMBER: 60/015,714
FILING DATE: 17-APRIL-96
APPLICATION NUMBER: 60/016,271
FILING DATE: 23-APRIL-96
ATTORNEY/AGENT INFORMATION:
NAME: McDaniel, C. Steven
REGISTRATION NUMBER: 33,962
REFERENCE/DOCKET NUMBER: 1472-06214
TELEPHONE: 713/238-8010
TELEFAX: 713/238-8008
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
OTHER INFORMATION: attached to 3' end and phosphorothioate
US-08-682-255A-43

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGAGGGG 1562
|||||
DB 18 GGGGGGGGGGGGGGGG 1

RESULT 282
US-09-429-130-42/c
Sequence 42, Application US/09429130
Patent No. 6355785
GENERAL INFORMATION:
APPLICANT: Rando, Robert F.
APPLICANT: Fennwald, Susan
APPLICANT: Zendequi, Joseph G.
APPLICANT: Ojwang, Joshua O.
APPLICANT: Hogan, Michael E.
APPLICANT: Pommier, Eyles
APPLICANT: Mazumder, Abhijit
TITLE OF INVENTION: Anti-Viral Guanosine-Rich
Oligonucleotides
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSEE: Conley, Rose & Tayon, P.C.
STREET: 600 Travis, Suite 1850
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77002-2912
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS Windows 95
SOFTWARE: MS Word 97 (saved as .txt file)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/429,130
FILING DATE: 28-OCT-1999
CLASSIFICATION: <Unknown>
19-JULY-95
25-MARCH-96
19-MARCH-96

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17-APRIL-96
23-APRIL-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/682,255
FILING DATE: <Unknown>
APPLICATION NUMBER: 60/001,505
FILING DATE: 19-JULY-95
APPLICATION NUMBER: 60/014,007
FILING DATE: 25-MARCH-96
APPLICATION NUMBER: 60/013,688
FILING DATE: 19-MARCH-96
APPLICATION NUMBER: 60/016,271
FILING DATE: 17-APRIL-96
ATTORNEY/AGENT INFORMATION:
NAME: McDaniel, C. Steven
REGISTRATION NUMBER: 33,962
REFERENCE/DOCKET NUMBER: 1472-06214
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/238-8010
TELEFAX: 713/238-8008
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (Genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= 'Amine moiety
attached to 3' end"
SEQUENCE DESCRIPTION: SEQ ID NO: 42:
US-09-429-130-42

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGGAGGGG 1562
Db 18 GGGGGCGGGGGGGGGGG 1

RESULT 283
US-09-429-130-43/c
Sequence 43, Application US/09429130
Patent No. 6355785
GENERAL INFORMATION:
APPLICANT: Rando, Robert F.
Fennewald, Susan
Zendequi, Joseph G.
Ojwang, Joshua O.
Hogan, Michael E.
Pommier, Yves
Mazumder, Abhijit
60/015,714
TITLE OF INVENTION: Anti-Viral Guanosine-Rich
Oligonucleotides
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSER: Conley, Rose & Tayon, P.C.
STREET: 600 Travis, Suite 1850
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77002-2912
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS Windows 95
SOFTWARE: MS Word 97 (saved as .txt file)
CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/09/429,130
FILING DATE: 28-Oct-1999
CLASSIFICATION: <Unknown>
19-JULY-95
25-MARCH-96
19-MARCH-96
17-APRIL-96
23-APRIL-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/682,255
FILING DATE: <Unknown>
APPLICATION NUMBER: 60/001,505
FILING DATE: 19-JULY-95
APPLICATION NUMBER: 60/014,007
FILING DATE: 25-MARCH-96
APPLICATION NUMBER: 60/013,688
FILING DATE: 19-MARCH-96
APPLICATION NUMBER: 60/016,271
FILING DATE: 17-APRIL-96
ATTORNEY/AGENT INFORMATION:
NAME: McDaniel, C. Steven
REGISTRATION NUMBER: 33,962
REFERENCE/DOCKET NUMBER: 1472-06214
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/238-8010
TELEFAX: 713/238-8008
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= 'Amine moiety
attached to 3' end and phosphorothioate
backbone"
SEQUENCE DESCRIPTION: SEQ ID NO: 43:
US-09-429-130-43

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGGAGGGG 1562
Db 18 GGGGGCGGGGGGGGGGG 1

RESULT 284
US-09-562-466-15
Sequence 15, Application US/09562466
Patent No. 6369202
GENERAL INFORMATION:
APPLICANT: Matsuyama, Toshifumi
Grossman, Alex
Richardson, Christopher D.
TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Canada Inc.
STREET: 6733 Mississauga Road, Suite 303
CITY: Mississauga
STATE: Ontario
COUNTRY: Canada
ZIP: L5N 6J8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/562,466
; FILING DATE: 01-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/195,940
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
; REGISTRATION NUMBER: 34,688
; REFERENCE/DOCKET NUMBER: A-338A
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-562-466-15

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 502 GCCAGGAGTGAAACTGCG 519
Db 1 GCTAGAGTGAAACTGAG 18

RESULT 285
US-08-484-203-7/c
; Sequence 7, Application US/08484203
; Patent No. 6399369
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hammang, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo Proliferation and
; TITLE OF INVENTION: Use of Multipotent Neural Stem Cells and their Progeny
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton
; ADDRESSEE: & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,203
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-10/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
US-08-484-203-8

Query Match      0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 148 CGAGATGCTGCTGCTGCG 165
Db 1 CGAGGTGATCCGCTGCG 18

RESULT 287
US-08-486-313-7/c
; Sequence 7, Application US/08486313
; Patent No. 6497872
; GENERAL INFORMATION:
; APPLICANT: Weiss, Samuel
; APPLICANT: Reynolds, Brent A.
; APPLICANT: Hammang, Joseph P.
; APPLICANT: Baetge, Edward E.
; TITLE OF INVENTION: In Vitro and In Vivo Proliferation and
; TITLE OF INVENTION: Use of Multipotent Neural Stem Cells and their Progeny
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hobbach, Test, Albritton
; ADDRESSEE: & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,203
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brunelle, Jan P.
; REGISTRATION NUMBER: 35,081
; REFERENCE/DOCKET NUMBER: A-61105-10/DJB/JPB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
US-08-484-203-7
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```
/ APPLICANT: Reynolds, Brent A.
/ APPLICANT: Hamang, Joseph P.
/ APPLICANT: Baetge, Edward B.
/ TITLE OF INVENTION: In Vitro and In Vivo Proliferation
/ TITLE OF INVENTION: and Use of Multipotent Neural Stem Cells and their
/ TITLE OF INVENTION: Progeny
/ NUMBER OF SEQUENCES: 8
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton
/ ADDRESSEE: & Herbert
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: US/08/486,313
/ APPLICATION DATE: 07-JUN-1995
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brunelle, Jan P.
/ REGISTRATION NUMBER: 35,081
/ REFERENCE/DOCKET NUMBER: A-61105-11/DJB/JPB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: cDNA
/ US-08-486-313-7
/
/ Query Match 0.8%; Score 13.2; DB 1; Length 18;
/ Best Local Similarity 83.3%; Pred. No. 2.2e+02;
/ Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 148 CGAGATGCTGCTGCTGGC 165
/ Db 18 CGAGGTGATGCCGCTGGC 1
/
/ RESULT 288
/ US-08-486-313-8
/ Sequence 8, Application US/08486313
/ Patent No. 6497872
/ GENERAL INFORMATION:
/ APPLICANT: Weiss, Samuel
/ APPLICANT: Reynolds, Brent A.
/ APPLICANT: Hamang, Joseph P.
/ APPLICANT: Baetge, Edward B.
/ TITLE OF INVENTION: In Vitro and In Vivo Proliferation
/ TITLE OF INVENTION: and Use of Multipotent Neural Stem Cells and their
/ TITLE OF INVENTION: Progeny
/ NUMBER OF SEQUENCES: 8
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Flehr, Hobbach, Test, Albritton
/ ADDRESSEE: & Herbert
/ STREET: Four Embarcadero Center, Suite 3400
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States
/ ZIP: 94111-4187
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
```

```
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION NUMBER: US/08/486,313
/ APPLICATION DATE: 07-JUN-1995
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brunelle, Jan P.
/ REGISTRATION NUMBER: 35,081
/ REFERENCE/DOCKET NUMBER: A-61105-11/DJB/JPB
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 781-1989
/ TELEFAX: (415) 398-3249
/
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: cDNA
/ US-08-486-313-8
/
/ Query Match 0.8%; Score 13.2; DB 1; Length 18;
/ Best Local Similarity 83.3%; Pred. No. 2.2e+02;
/ Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 148 CGAGATGCTGCTGCTGGC 165
/ Db 1 CGAGGTGATGCCGCTGGC 18
/
/ RESULT 289
/ US-09-422-978-5274/c
/ Sequence 5274, Application US/09422978
/ Patent No. 6537751
/ GENERAL INFORMATION:
/ APPLICANT: Cohen, Daniel
/ APPLICANT: Blumenfeld, Marta
/ APPLICANT: Chumakov, Ilya
/ TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
/ FILE REFERENCE: GENSEI.020CPI
/ CURRENT APPLICATION NUMBER: US/09/422,978
/ CURRENT FILING DATE: 1999-10-20
/ EARLIER APPLICATION NUMBER: US 09/298,850
/ EARLIER FILING DATE: 1999-04-21
/ EARLIER APPLICATION NUMBER: US 60/109,732
/ EARLIER FILING DATE: 1998-11-23
/ EARLIER APPLICATION NUMBER: US 60/092,614
/ EARLIER FILING DATE: 1998-04-21
/ NUMBER OF SEQ ID NOS: 11796
/ SEQ ID NO 5274
/ LENGTH: 18
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 1..18
/
/ OTHER INFORMATION: upstream amplification primer 99-23118 for SEQ 1340,
/ US-09-422-978-5274
/
/ Query Match 0.8%; Score 13.2; DB 1; Length 18;
/ Best Local Similarity 83.3%; Pred. No. 2.2e+02;
/ Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 433 GGACAGGCTGATGACTCA 450
/ Db 18 GGAGAGGCTTATCCTCA 1
/
/ RESULT 290
/ US-09-422-978-9962/c
```

; Sequence 9962, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density....
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9962
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: downstream amplification primer 99-8499 for SEQ 2097, in complete
US-09-422-978-9962

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 416 GAAGAAACACCGGAGCG 433
||| ||||| ||||| |||||
DB 18 GAAGAAACACCGAGATCG 1

RESULT 291
US-09-679-298A-25/c
; Sequence 25, Application US/09679298A
; Patent No. 6566131
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowert
; TITLE OF INVENTION: ANTISENSE MODULATION OF SHAD6 EXPRESSION
; FILE REFERENCE: R1S-0045
; CURRENT APPLICATION NUMBER: US/09/679,298A
; CURRENT FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 25
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-679-298A-25

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1366 CCGCGGGCGGGCGGGCGG 1383
||| ||||| ||||| |||||
DB 18 CAGCGCGGGCGGGCGGG 1

RESULT 292
PCT-US93-04754-10
; Sequence 10, Application PC/TUS9304754
; GENERAL INFORMATION:
; APPLICANT: Theofan, Georgia
; APPLICANT: Grinna, Lynn S
; APPLICANT: Horwicz, Arnold
; TITLE OF INVENTION: BPI-Immunoglobulin Fusion Proteins

; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Borun
; STREET: 6300 Sears Tower, 233 South Wacker
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/04754
; FILING DATE: 19930519
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers Thomas C.
; REGISTRATION NUMBER: 36,989
; REFERENCE/DOCKET NUMBER: 30659
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
PCT-US93-04754-10

Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 937 GCGCTGCTGCTCACC GC 954
||| ||||| ||||| |||||
DB 1 GCACCTGCTACTGACCGC 18

RESULT 293
PCT-US96-11786-42/c
; Sequence 42, Application PC/TUS9611786
; GENERAL INFORMATION:
; APPLICANT: Rando, Robert F.
; APPLICANT: Fennewald, Susan
; APPLICANT: Zendegeui, Joseph G.
; APPLICANT: Ojwang, Joshua O.
; APPLICANT: Hogan, Michael E.
; APPLICANT: Pommier, Yves
; APPLICANT: Mazumder, Abhijit
; TITLE OF INVENTION: Anti-Viral Guanosine-Rich
; TITLE OF INVENTION: Oligonucleotides
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Conley, Rose & Tayon, P.C.
; STREET: 600 Travis, Suite 1850
; CITY: Houston
; STATE: Texas
; COUNTRY: U.S.A.
; ZIP: 77002-2912
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/11786
; FILING DATE: 17-JULY-1996

```
CLASSIFICATION:
PRIOR APPLICATION DATA: US 08/535,168; 60/001,505; 60/014,007; 60/013,688;
APPLICATION NUMBER: 60/015,714; 60/016,271
FILING DATE: 23-OCT-95; 17-JULY-96; 25-MARCH-96; 19-MARCH-96; 23-
FILING DATE: APRIL-96; 17-APRIL-96
ATTORNEY/AGENT INFORMATION:
NAME: McDaniel, C. Steven
REGISTRATION NUMBER: 33,962
REFERENCE/DOCKET NUMBER: 1472-06214
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/238-8010
TELEFAX: 713/238-8008
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
attached to 3' end"
PCT-US96-11786-42
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGAGGGG 1562
Db 18 GGGGGCGGGGGGGGGG 1

RESULT 294
PCT-US96-11786-43/C
Sequence 43, Application PC/TUS9611786
GENERAL INFORMATION:
APPLICANT: Rando, Robert F.
APPLICANT: Fennwald, Susan
APPLICANT: Zengdegi, Joseph G.
APPLICANT: Ojwang, Joshua O.
APPLICANT: Hogan, Michael E.
APPLICANT: Pommier, Yves
APPLICANT: Mazumder, Abhijit
TITLE OF INVENTION: Anti-Viral Guanosine-Rich
oligonucleotides
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESS: Conley, Rose & Tayon, P.C.
STREET: 600 Travis, Suite 1850
CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
ZIP: 77002-2912
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/11786
FILING DATE: 17-JULY-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/535,168; 60/001,505; 60/014,007; 60/013,688;
APPLICATION NUMBER: 60/015,714; 60/016,271
FILING DATE: 23-OCT-95; 17-JULY-96; 25-MARCH-96; 19-MARCH-96; 23-
FILING DATE: APRIL-96; 17-APRIL-96
ATTORNEY/AGENT INFORMATION:
NAME: McDaniel, C. Steven
```

```
REGISTRATION NUMBER: 33,962
REFERENCE/DOCKET NUMBER: 1472-06214
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/238-8010
TELEFAX: 713/238-8008
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 18
OTHER INFORMATION: /note= "Amine moiety
attached to 3' end and phosphorothioate
backbone"
PCT-US96-11786-43
Query Match 0.8%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1545 GGGGGCGGGGGAGGGG 1562
Db 18 GGGGGCGGGGGGGGGG 1

RESULT 295
US-08-623-891-23
Sequence 23, Application US/08623891
Patent No. 5795778
GENERAL INFORMATION:
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: METHOD AND REAGENT FOR
INHIBITING HERPES SIMPLEX
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 115
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 611 West Sixth Street
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90017
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/623,891
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/238,200
FILING DATE:
APPLICATION NUMBER: US/07/987,133
FILING DATE:
APPLICATION NUMBER: 07/882,921
FILING DATE: May 14, 1992
APPLICATION NUMBER: 07/948,359
FILING DATE: September 18, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 200/209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 23:
```

; SEQUENCE CHARACTERISTICS:

; LENGTH: 13
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-623-891-23

Query Match 0.8%; Score 13; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 1e+02;
 Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1293 GCCTGGCGCACGC 1305

Db 1 GCCUGGCGCACGC 13

RESULT 296

US-09-340-861-23
 ; Sequence 23, Application US/09340861
 ; Patent No. 6432704

; GENERAL INFORMATION:

; APPLICANT: Kenneth G. Draper
 ; TITLE OF INVENTION: METHOD AND REAGENT FOR
 ; TITLE OF INVENTION: INHIBITING HERPES SIMPLEX
 ; TITLE OF INVENTION: VIRUS REPLICATION
 ; NUMBER OF SEQUENCES: 115

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon
 ; STREET: 611 West Sixth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 90017

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
 ; SOFTWARE: WordPerfect (Version 5.1)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/340,861
 ; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/987,133
 ; FILING DATE:

; APPLICATION NUMBER: 07/882,921

; FILING DATE: May 14, 1992

; APPLICATION NUMBER: 07/948,359

; FILING DATE: September 18, 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 200/209

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 13

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-340-861-23

Query Match 0.8%; Score 13; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 1e+02;
 Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1293 GCCTGGCGCACGC 1305

Db 1 GCCUGGCGCACGC 13

RESULT 297

US-09-634-262-23

; Sequence 23, Application US/09634262

; Patent No. 6440719

; GENERAL INFORMATION:

; APPLICANT: Kenneth G. Draper
 ; TITLE OF INVENTION: METHOD AND REAGENT FOR
 ; TITLE OF INVENTION: INHIBITING HERPES SIMPLEX
 ; TITLE OF INVENTION: VIRUS REPLICATION
 ; NUMBER OF SEQUENCES: 115

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon
 ; STREET: 611 West Sixth Street
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 90017

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
 ; SOFTWARE: WordPerfect (Version 5.1)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/634,262
 ; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/987,133
 ; FILING DATE:

; APPLICATION NUMBER: 07/882,921

; FILING DATE: May 14, 1992

; APPLICATION NUMBER: 07/948,359

; FILING DATE: September 18, 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 200/209

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 23:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 13

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-09-634-262-23

Query Match 0.8%; Score 13; DB 1; Length 13;

Best Local Similarity 92.3%; Pred. No. 1e+02;

Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1293 GCCTGGCGCACGC 1305

Db 1 GCCUGGCGCACGC 13

RESULT 298

US-08-554-612C-35/c

; Sequence 35, Application US/08554612C

; Patent No. 5747860

; GENERAL INFORMATION:

; APPLICANT: Orlicky, David
 ; TITLE OF INVENTION: PROTAGLANDIN F2' RECEPTOR REGULATORY
 ; TITLE OF INVENTION: PROTEIN AND THERAPEUTIC USES
 ; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 2200 Sand Hill Road, Suite 100
 ; CITY: Menlo Park
 ; STATE: California

COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/554,612C
FILING DATE: No. 5747660ember 5, 1995
CLASSIFICATION: 336
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: 06519/004001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 322-5070
TELEFAX: (415) 854-0875
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-554-612C-35

Query Match 0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 GCTGCTGCTGGCG 166
DB 15 GCTGCTGCTGGCG 3

RESULT 299

US-09-205-860-11/c
Sequence 11, Application US/09205860
Patent No. 5981732
GENERAL INFORMATION:
APPLICANT: Lex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
FILE REFERENCE: RTS-0031
CURRENT APPLICATION NUMBER: US/09/205,860
CURRENT FILING DATE: 1998-12-04
NUMBER OF SEQ ID NOS: 87
SEQ ID NO 11
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-860-11

Query Match 0.8%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1373 GCGCGCGCGCGCA 1385
DB 18 GCGCGCGCGCGCA 6

RESULT 300

US-09-344-579-42
Sequence 42, Application US/09344579
Patent No. 6054316
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: Lex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF ETS-2 EXPRESSION
FILE REFERENCE: RTS-0063

COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/554,612C
FILING DATE: No. 5747660ember 5, 1995
CLASSIFICATION: 336
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: 06519/004001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 322-5070
TELEFAX: (415) 854-0875
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-554-612C-35

Query Match 0.8%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 868 CACTTTCCTGGAC 880
DB 4 CACTTTCCTGGAC 16

RESULT 301

US-09-422-978-5498
Sequence 5498, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER FILING DATE: 1998-11-23
EARLIER APPLICATION NUMBER: US 60/082,614
EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 5498
LENGTH: 18
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..18
OTHER INFORMATION: upstream amplification primer 99-4681 for SEQ 1564,
US-09-422-978-5498

Query Match 0.8%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1246 GGTCTCGAGGAG 1258
DB 6 GGTCTCGAGGAG 18

RESULT 302

US-08-181-664-18/c
Sequence 18, Application US/08181664
Patent No. 6025127
GENERAL INFORMATION:
APPLICANT: Sidransky, David
TITLE OF INVENTION: NUCLEIC ACID MUTATION DETECTION IN
TITLE OF INVENTION: HISTOLOGIC TISSUE
NUMBER OF SEQUENCES: 82
CORRESPONDENCE ADDRESS:
ADDRESSEE: Spensley Horn Jubas & Lubitz
STREET: 1880 Century Park East, Suite 500
CITY: Los Angeles
STATE: California
COUNTRY: USA

```
/
/
/ ZIP: 90067
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA: US/08/181,664
/ APPLICATION NUMBER: US/08/181,664
/ FILING DATE: JANUARY 14, 1994
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Wetherell, Jr., Ph.D., John R.
/ REGISTRATION NUMBER: 31,678
/ REFERENCE/DOCKET NUMBER: PD-3055
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (619) 455-5100
/ TELEFAX: (619) 455-5110
/ INFORMATION FOR SEQ ID NO: 18:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1..16
/
/ US-08-181-664-18
/
/ Query Match 0.8%; Score 12.8; DB 1; Length 16;
/ Best Local Similarity 87.5%; Pred. No. 1.9e+02;
/ Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
/
/ QY 919 GACGCGGGGACCGGGC 934
/
/ Db 16 GACGCGGGGCGCGGGC 1
/
/ RESULT 303
/ US-09-371-772B-5649
/ Sequence 5649, Application US/09371772B
/ Patent No. 6566127
/ GENERAL INFORMATION:
/ APPLICANT: Ribozyme Pharmaceuticals, Inc.
/ APPLICANT: Pavco, Pam
/ APPLICANT: McSwiggen, Jim
/ APPLICANT: Stinchcomb, Dan
/ APPLICANT: Escobedo, Jaime
/ TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
/ FILE REFERENCE: MEHB00,876-J (237/198)
/ CURRENT APPLICATION NUMBER: US/09/371,772B
/ CURRENT FILING DATE: 1999-08-10
/ PRIOR FILING DATE: 1999-08-10
/ PRIOR APPLICATION NUMBER: US 60/005,974
/ PRIOR FILING DATE: 1995-10-26
/ PRIOR APPLICATION NUMBER: US 08/584,040
/ PRIOR FILING DATE: 1996-01-08
/ NUMBER OF SEQ ID NOS: 14225
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 5649
/ LENGTH: 16
/ TYPE: RNA
/ ORGANISM: Homo sapiens
/
/ US-09-371-772B-5649
/
/ Query Match 0.8%; Score 12.8; DB 1; Length 16;
/ Best Local Similarity 81.2%; Pred. No. 1.9e+02;
/ Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
/
/ QY 1417 CGCTCCGGGTGCGGGC 1432
/
/ Db 1 CGCUCAGGCGCGGGC 16
/
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RESULT 304
/ US-08-064-400B-14
/ Sequence 14, Application US/08064400B
/ Patent No. 5559028
/ GENERAL INFORMATION:
/ APPLICANT: Humphreys, Robert E.
/ TITLE OF INVENTION: Regulation of Antigen Presentation
/ NUMBER OF SEQUENCES: 16
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Kevin M. Farrell, P.C.
/ STREET: P.O. Box 999
/ CITY: York Harbor
/ STATE: ME
/ COUNTRY: USA
/ ZIP: 03911
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA: US/08/064,400B
/ APPLICATION NUMBER: US/08/064,400B
/ FILING DATE: May 19, 1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Farrell, Kevin M.
/ REGISTRATION NUMBER: 35,505
/ REFERENCE/DOCKET NUMBER: REH93-01
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 207-363-0558
/ TELEFAX: 207-363-0528
/ INFORMATION FOR SEQ ID NO: 14:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/
/ US-08-064-400B-14
/
/ Query Match 0.8%; Score 12.8; DB 1; Length 17;
/ Best Local Similarity 87.5%; Pred. No. 2.3e+02;
/ Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
/
/ QY 1306 GCTCTGGCTGCACTG 1321
/
/ Db 2 GCTCTGGCTGAAATG 17
/
/ RESULT 305
/ US-08-281-940-15/c
/ Sequence 15, Application US/08281940
/ Patent No. 5589330
/ GENERAL INFORMATION:
/ APPLICANT: SHUBER, ANTHONY P.
/ TITLE OF INVENTION: METHOD FOR MULTIPLE ALLELE-SPECIFIC
/ TITLE OF INVENTION: DISEASE ANALYSIS
/ NUMBER OF SEQUENCES: 65
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DARBY & DARBY P.C.
/ STREET: 805 THIRD AVENUE
/ CITY: NEW YORK
/ STATE: NEW YORK
/ COUNTRY: USA
/ ZIP: 10022
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/281,940
/
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;
; GENERAL INFORMATION:
; APPLICANT: Brown, Steven Joel
; APPLICANT: Dattagupta, Nambhushan
; APPLICANT: Naidu, Yathi M.
; TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
; TITLE OF INVENTION: PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
; TITLE OF INVENTION: mRNA
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gen-Probe Incorporated
; STREET: 9880 Campus Point Drive
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; MEDIUM TYPE: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,408
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fisher, Carlos A
; REGISTRATION NUMBER: 36,510
; REFERENCE/DOCKET NUMBER: CB1009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-2807
; TELEFAX: 619-546-7929
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-486-408-4
;
; Query Match 0.8%; Score 12.8; DB 1; Length 17;
; Best Local Similarity 87.5%; Pred. No. 2.3e+02;
; Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 574 CGAGGGCGCGCAGTG 589
; Db 17 CGAGGGACTCGCAGTG 2
;
; RESULT 309
; US-08-758-306-795
; Sequence 795, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: McSwiggen, James A.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
;
; Query Match 0.8%; Score 12.8; DB 1; Length 17;
; Best Local Similarity 87.5%; Pred. No. 2.3e+02;
; Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
;
; QY 574 CGAGGGCGCGCAGTG 589
; Db 17 CGAGGGACTCGCAGTG 2
;
; RESULT 310
; US-08-710-134-15/c
; Sequence 15, Application US/08710134
; Patent No. 5834181
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
; TITLE OF INVENTION: HIGH THROUGHPUT SCREENING METHOD FOR
; TITLE OF INVENTION: SEQUENCES OR GENETIC ALTERATIONS IN NUCLEIC ACIDS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genzyme Corporation
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,134
; FILING DATE: 13-SEP-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: IGS-8.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
;
; QY 1016 TCGGGCTCGGGCGCGC 1031
; Db 2 UCGGUUCGAGCGCGC 17
;
; Query Match 0.8%; Score 12.8; DB 1; Length 17;
; Best Local Similarity 75.0%; Pred. No. 2.3e+02;
; Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
;
; QY 1016 TCGGGCTCGGGCGCGC 1031
; Db 2 UCGGUUCGAGCGCGC 17
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 795:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-795

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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotide"
US-08-710-134-15

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1514 CTGGCGCATGGCGGTCA 1529
DB 17 CTGCCCATGGCGGTCA 2

RESULT 311
US-08-710-134-32/c
; Sequence 32, Application US/08710134
; Patent No. 5849481
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
; TITLE OF INVENTION: HIGH THROUGHPUT SCREENING METHOD FOR
; TITLE OF INVENTION: SEQUENCES OR GENETIC ALTERATIONS IN NUCLEIC ACIDS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genzyme Corporation
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/710,134
; FILING DATE: 13-SEP-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: IGS-8.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotides"
US-08-710-134-32

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1514 CTGGCGCATGGCGGTCA 1529
DB 17 CTGCCCATGGCGGTCA 2

RESULT 312
US-08-485-885-15/c
; Sequence 15, Application US/08485885
; Patent No. 5849483
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
```

```
; TITLE OF INVENTION: HIGH THROUGHPUT SCREENING METHOD FOR
; TITLE OF INVENTION: SEQUENCES OR GENETIC ALTERATIONS IN NUCLEIC ACIDS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genzyme Corporation
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,885
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: GEN4-12.1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotide"
US-08-485-885-15

Query Match      0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1514 CTGGCGCATGGCGGTCA 1529
DB 17 CTGCCCATGGCGGTCA 2

RESULT 313
US-08-485-885-32/c
; Sequence 32, Application US/08485885
; Patent No. 5849483
; GENERAL INFORMATION:
; APPLICANT: SHUBER, ANTHONY P.
; TITLE OF INVENTION: HIGH THROUGHPUT SCREENING METHOD FOR
; TITLE OF INVENTION: SEQUENCES OR GENETIC ALTERATIONS IN NUCLEIC ACIDS
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genzyme Corporation
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,885
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
```

REFERENCE/DOCKET NUMBER: GEN4-12.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-872-8400
TELEFAX: 508-872-5415
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotides"
US-08-485-885-32

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1514 CTGGGCATGGCGGTCA 1529
DB 17-CTGCACATGGCGGTCA 2

RESULT 314
US-08-975-570-4/c
Sequence 4, Application US/08975570
Patent No. 5945336
GENERAL INFORMATION:
APPLICANT: Brown, Steven Joel
APPLICANT: Dattagupta, Nanihubhan
APPLICANT: Naidu, Yathi M.
TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
TITLE OF INVENTION: PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
TITLE OF INVENTION: mRNA
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gen-Probe Incorporated
STREET: 9880 Campus Point Drive
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/975,570
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/486,408
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fisher, Carlos A.
REGISTRATION NUMBER: 36,510
REFERENCE/DOCKET NUMBER: CRI009
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-535-2807
TELEFAX: 619-546-7929
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-975-570-4

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 574 CGAGGGCGCGCAGTG 589
DB 17 CGAGGGACTCGCAGTG 2

RESULT 315
US-08-665-259-42
Sequence 42, Application US/08665259
Patent No. 6028173
GENERAL INFORMATION:
APPLICANT: Landes, Gregory M.
APPLICANT: Burn, Timothy C.
APPLICANT: Connors, Timothy D.
APPLICANT: Dackowski, William R.
APPLICANT: Van Raay, Terence J.
APPLICANT: Klinger, Katherine W.
TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
TITLE OF INVENTION: COMPOSITIONS, METHODS OF MAKING AND USING SAME
NUMBER OF SEQUENCES: 73
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENZYME CORPORATION
STREET: One Mountain Road
CITY: Framingham
STATE: Massachusetts
COUNTRY: United States of America
ZIP: 01701
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,259
FILING DATE: 17-JUN-1996

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dugan, Deborah A.
REGISTRATION NUMBER: 37,315
REFERENCE/DOCKET NUMBER: IGS-9.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508) 872-8400
TELEFAX: (508) 872-5415
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide primer"
US-08-665-259-42

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 788 AAGCTGGTGAAGGACC 803
DB 2 ACGCTGGTGAAGGAGC 17

RESULT 316
US-08-665-259-55
Sequence 55, Application US/08665259
Patent No. 6028173
GENERAL INFORMATION:
APPLICANT: Landes, Gregory M.
APPLICANT: Burn, Timothy C.
APPLICANT: Connors, Timothy D.
APPLICANT: Dackowski, William R.
APPLICANT: Van Raay, Terence J.
APPLICANT: Klinger, Katherine W.

```

; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
; TITLE OF INVENTION: COMPOSITIONS, METHODS OF MAKING AND USING SAME
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: United States of America
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,259
; FILING DATE: 17-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: IGS-9.1
; TELEPHONE: (508) 872-8400
; TELEFAX: (508) 872-5415
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotide primer"
; US-08-665-259-55

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 788 AAGCTGGTGAAGGACC 803
Db 2 ACGCTGGTGAAGGAGC 17

RESULT 317
US-08-762-500-42
; Sequence 42, Application US/08762500
; Patent No. 6030806
; GENERAL INFORMATION:
; APPLICANT: Landes, Gregory M.
; APPLICANT: Burn, Timothy C.
; APPLICANT: Connors, Timothy D.
; APPLICANT: Dackowski, William R.
; APPLICANT: Van Raay, Terence J.
; APPLICANT: Klinger, Katherine W.
; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: United States of America
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,259
; FILING DATE: 17-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: IGS-9.1
; TELEPHONE: (508) 872-8400
; TELEFAX: (508) 872-5415
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotide primer"
; US-08-665-259-55
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; FILING DATE: 09-DEC-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,259
; FILING DATE: 17-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10469
; FILING DATE: 17-JUN-1996
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
; REFERENCE/DOCKET NUMBER: IGS-9.3
; TELEPHONE: (508) 872-8400
; TELEFAX: (508) 872-5415
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Oligonucleotide primer"
; US-08-762-500-42

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 788 AAGCTGGTGAAGGACC 803
Db 2 ACGCTGGTGAAGGAGC 17

RESULT 318
US-08-762-500-55
; Sequence 55, Application US/08762500
; Patent No. 6030806
; GENERAL INFORMATION:
; APPLICANT: Landes, Gregory M.
; APPLICANT: Burn, Timothy C.
; APPLICANT: Connors, Timothy D.
; APPLICANT: Dackowski, William R.
; APPLICANT: Van Raay, Terence J.
; APPLICANT: Klinger, Katherine W.
; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: One Mountain Road
; CITY: Framingham
; STATE: Massachusetts
; COUNTRY: United States of America
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/762,500
; FILING DATE: 09-DEC-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,259
; FILING DATE: 17-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10469
; FILING DATE: 17-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Dugan, Deborah A.
; REGISTRATION NUMBER: 37,315
```

REFERENCE/DOCKET NUMBER: IG5-9.3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508) 872-8400
TELEFAX: (508) 872-5415
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide primer"
US-08-762-500-55

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 788 AAGCTGGTGAAGGACC 803
|||
DB 2 ACGTGGTGAAGGAC 17

RESULT 319
US-08-998-099-32/c
Sequence 32, Application US/08998099A
Patent No. 6103890
GENERAL INFORMATION:
APPLICANT: JARVIS, THALE
APPLICANT: MCSWIGEN, JAMES A.
APPLICANT: STINCHCOMB, DAN T.
TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT OF DISEASES
TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
FILE REFERENCE: 231/175
CURRENT APPLICATION NUMBER: US/08/998,099A
CURRENT FILING DATE: 1997-12-24
EARLIER APPLICATION NUMBER: 60/037,658
EARLIER FILING DATE: 1997-01-23
EARLIER APPLICATION NUMBER: 08/373,124
EARLIER FILING DATE: 1995-01-13
EARLIER APPLICATION NUMBER: 08/245,466
EARLIER FILING DATE: 1994-05-18
NUMBER OF SEQ ID NOS: 375
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 32
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-08-998-099-32

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 786 CCAAGCTGGTGAAGGA 801
|||
DB 17 CCAATGCTGGAAGGA 2

RESULT 320
US-08-998-099-49
Sequence 49, Application US/08998099A
Patent No. 6103890
GENERAL INFORMATION:
APPLICANT: JARVIS, THALE
APPLICANT: MCSWIGEN, JAMES A.
APPLICANT: STINCHCOMB, DAN T.
TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT OF DISEASES
TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
FILE REFERENCE: 231/175
CURRENT APPLICATION NUMBER: US/08/998,099A
CURRENT FILING DATE: 1997-12-24
EARLIER APPLICATION NUMBER: 60/037,658

EARLIER FILING DATE: 1997-01-23
EARLIER APPLICATION NUMBER: 08/373,124
EARLIER FILING DATE: 1995-01-13
EARLIER APPLICATION NUMBER: 08/245,466
EARLIER FILING DATE: 1994-05-18
NUMBER OF SEQ ID NOS: 375
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 49
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-08-998-099-49

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 56.2%; Pred. No. 2.3e+02;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 184 CCTCGTCTCCTCGCTG 199
|||
DB 1 CCUGGUCUCUCUG 16

RESULT 321
US-09-324-867-54
Sequence 54, Application US/09324867A
Patent No. 6251632
GENERAL INFORMATION:
APPLICANT: Lillcrap, David
APPLICANT: Cameron, Cherie
APPLICANT: No. 6251632ley, Colleen
APPLICANT: Horrocks, L. Suzanne Hoyle
APPLICANT: Hough, Christine
TITLE OF INVENTION: Canine Factor VIII Gene, Protein and Methods of Use
FILE REFERENCE: 1669.0010002/JAG/BJD
CURRENT APPLICATION NUMBER: US/09/324,867A
CURRENT FILING DATE: 1999-06-03
EARLIER APPLICATION NUMBER: 09/035,141
EARLIER FILING DATE: 1998-03-059
EARLIER APPLICATION NUMBER: 60/039,953
EARLIER FILING DATE: 1997-03-06
NUMBER OF SEQ ID NOS: 63
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 54
LENGTH: 17
TYPE: DNA
ORGANISM: Synthetic oligonucleotide
US-09-324-867-54

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1287 CCTTCCGCGCTGGCGCA 1302
|||
DB 1 CCTTCCGCGCGCGCA 16

RESULT 322
US-07-974-409C-72/c
Sequence 72, Application US/07974409C
Patent No. 6300058
GENERAL INFORMATION:
APPLICANT: Akitaya, Tatsuo
APPLICANT: Mitsuhashi, Masato
APPLICANT: Cooper, Allan
TITLE OF INVENTION: METHOD AND REAGENT
TITLE OF INVENTION: FOR MEASURING MESSENGER RNA
NUMBER OF SEQUENCES: 457
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson, and Bear
STREET: 620 Newport Center Dr. Sixteenth Floor
CITY: Newport Beach
STATE: CA

```

; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/974,409C
; FILING DATE: 12-NOV-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.006CP2
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-07-974-409C-72

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 642 TGGCGGTGGAGCCGG 657
DB 16 TGGCGGTGGAGCCAG 1

RESULT 323
US-09-364-707A-6
; Sequence 6, Application US/09364707A
; Patent No. 6310191
; GENERAL INFORMATION:
; APPLICANT: Collins, John
; APPLICANT: Roettgen, Peter
; TITLE OF INVENTION: Generation of Diversity in Combinatorial
; LIBRARIES
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 233 South Wacker Drive/6300 Sears Tower
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/364,707A
; FILING DATE: 30-JUL-1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/EP98/00533
; FILING DATE: 02-FEB-1998
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31
; TYPE: nucleic acid
; STRANDEDNESS: single
; NAME: Zeller, James P.
; REGISTRATION NUMBER: 28,491

```

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; REFERENCE/DOCKET NUMBER: 29473/35824
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA oligo"
; US-09-364-707A-6

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 762 CGGTGACCTGGAGCA 777
DB 2 CGGTGACCTGGAGCA 17

RESULT 324
US-08-584-040-1462/c
; Sequence 1462, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TREATMENT OF DISEASES OR
; CONDITIONS RELATED TO LEVELS
; OF VASCULAR ENDOTHELIAL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELETYPE: 67-3510
; INFORMATION FOR SEQ ID NO: 1462:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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US-08-584-040-1462

Query Match 0.8%; Score 12.8; DB 1; Length 17;
 Best Local Similarity 87.5%; Pred. No. 2.3e+02;
 Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 805 GAGCCCCGGGACCGC 820
 DB 17 GAGCCCCGGGACCGC 2

RESULT 325

US-08-584-040-2129
 Sequence 2129, Application US/08584040

Patent No. 6346398

GENERAL INFORMATION:

APPLICANT: Pavco, Pamela

APPLICANT: McSwiggen, James

APPLICANT: Stinchcomb, Dan T.

APPLICANT: Escobedo, Jaime

TITLE OF INVENTION: METHOD AND REAGENT FOR THE

TITLE OF INVENTION: TREATMENT OF DISEASES OR

TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS

TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL

TITLE OF INVENTION: GROWTH FACTOR

NUMBER OF SEQUENCES: 8502

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/584,040

FILING DATE: January 11, 1996

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/005,974

FILING DATE: October 26, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 218/064

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 2129:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-584-040-2129

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 17;

Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 942 TGCTGCTACCGCCG 957

DB 2 UGCGUCGCCCGCCC 17

RESULT 326

US-08-584-040-3971

Sequence 3971, Application US/08584040

Patent No. 6346398

GENERAL INFORMATION:

APPLICANT: Pavco, Pamela

APPLICANT: McSwiggen, James

APPLICANT: Stinchcomb, Dan T.

APPLICANT: Escobedo, Jaime

TITLE OF INVENTION: METHOD AND REAGENT FOR THE

TITLE OF INVENTION: TREATMENT OF DISEASES OR

TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS

TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL

TITLE OF INVENTION: GROWTH FACTOR

NUMBER OF SEQUENCES: 8502

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/584,040

FILING DATE: January 11, 1996

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/005,974

FILING DATE: October 26, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 218/064

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 3971:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-584-040-3971

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 68.8%; Pred. No. 2.3e+02;

Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1447 CCACUGGUAUUGGCAG 162

DB 1 CCACUGGUAUUGGCAG 16

RESULT 327

US-08-584-040-7869/c

Sequence 7869, Application US/08584040

Patent No. 6346398

GENERAL INFORMATION:

APPLICANT: Pavco, Pamela

APPLICANT: McSwiggen, James

APPLICANT: Stinchcomb, Dan T.

APPLICANT: Escobedo, Jaime

TITLE OF INVENTION: METHOD AND REAGENT FOR THE

TITLE OF INVENTION: TREATMENT OF DISEASES OR

TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS

TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL

TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSES: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/594,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 7869:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-584-040-7869

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 499 GTGGCCAGAGTGAGAA 514
DB 17 GAGGCCAGAGTGAGA 2

RESULT 328
US-09-220-510B-1
Sequence 1, Application US/09220510B
Patent No. 6440726
GENERAL INFORMATION:
APPLICANT: RESNICK, NITZAN
TITLE OF INVENTION: EXPRESSION VECTORS COMPRISING MULTIPLE SHEAR STRESS
RESPONSIVE ELEMENTS (SSRE) AND METHODS OF USE FOR
TITLE OF INVENTION: TREATING DISORDERS RELATED TO VASCULOGENESIS AND/OR
TITLE OF INVENTION: ANGIOGENESIS IN A SHEAR STRESS ENVIRONMENT
FILE REFERENCE: P-2771-US
CURRENT APPLICATION NUMBER: US/09/220,510B
CURRENT FILING DATE: 1998-12-24
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Description of Artificial sequence:
OTHER INFORMATION: A PDGF-A Shear Stress Response Element.
US-09-220-510B-1

Query Match 0.8%; Score 12.8; DB 1; Length 17;

Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1547 GGGGCGGGGGGGGG 1562
DB 1 GGGGCGGGGGGGGG 16

RESULT 329

US-09-343-698-2/c
Sequence 2, Application US/09343698
Patent No. 6475485
GENERAL INFORMATION:
APPLICANT: Seeman, Gerhard
Bosslet, Klaus
Czech, Joerg
Kolar, Cenek
Hoffman, Dieter
Sedlacek, Hans-Harald
TITLE OF INVENTION: Glycosyl-Etoposide Prodrugs, A Process For
Preparation Thereof And The Use Thereof In Combination With
Functionalized Tumor-Specific Enzyme Conjugates
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
Dunnen
STREET: 1300 I Street, N.W., Suite 700
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/343,698
FILING DATE: 30-Jun-1999
CLASSIFICATION: <Unknown>
APPLICATION DATA:
APPLICATION NUMBER: 08/325,955
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Ogden, Stasia L.
REGISTRATION NUMBER: 36,228
REFERENCE/DOCKET NUMBER: 05552.0981-04000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-343-698-2

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGCGGGCGGG 1383
DB 16 GCAGCGGGCGGGCGG 1

RESULT 330
US-09-474-432B-592/c
Sequence 592, Application US/09474432B
Patent No. 6528640

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MBH00-831-B (247/276)
CURRENT APPLICATION NUMBER: US 09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PatentIn version 3.0
SEQ ID NO 592
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-592

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1502 GCCTGACCTCTGCG 1517
Db 17 GCCTGACCTCTGCG 2

RESULT 331
US-09-474-432B-815
Sequence 815, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MBH00-831-B (247/276)
CURRENT APPLICATION NUMBER: US 09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PatentIn version 3.0
SEQ ID NO 815
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-815

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1352 AGCGCGGGGGGACC 1367
Db 2 AGUGGGGUGGGGACC 17

RESULT 332
US-09-371-772B-7/c
Sequence 7, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
FILE REFERENCE: MBH00-876-J (237/198)
CURRENT APPLICATION NUMBER: US 09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-371-772B-7

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 805 GAGCCCCGGGACCGC 820
Db 17 GAGCCCCGGGACCGC 2

RESULT 333
US-09-371-772B-674
Sequence 674, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
FILE REFERENCE: MBH00-876-J (237/198)
CURRENT APPLICATION NUMBER: US 09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 674
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-371-772B-674

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 88.8%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 942 TGCTGCTCAGCGCGC 957
:|||||:|||||:
Db 2 UGUGUCCCGCGCC 17

RESULT 334
US-09-371-772B-1738
; Sequence 1738, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1738
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1738

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1447 CCACGTGTAATCGCAG 1462
|||||:|||||:
Db 1 CCACUGUAGUAGCAG 16

RESULT 335
US-09-371-772B-3652/c
; Sequence 3652, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3652
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-3652

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 499 GTGCCAGGAGTGAA 514
:|||||:|||||:
Db 17 GAGGCCAGGAGTGAGA 2

RESULT 336
US-09-371-772B-4170/c
; Sequence 4170, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4170
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4170

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 805 GAGCCCCGGGACCGC 820
|||||:|||||:
Db 16 GAGCCCCGGGACCGC 1

RESULT 337
US-09-371-772B-5005
; Sequence 5005, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; PRIOR FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5005
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5005

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 938 CGCCTGCTGCTCACC 953

Db 2 CGCGUGUGUGUCCCCCG 17
|||:|:|:|:|:|:|

RESULT 338

US-09-371-772B-5006
; Sequence 5006, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371.772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5006
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5006

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 940 CCTGCTGCTACCGCC 955
|:|:|:|:|:|:|

Db 1 CGUGUGUGUGUCCCCCG 16
|:|:|:|:|:|:|

RESULT 339

US-09-371-772B-5007
; Sequence 5007, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371.772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 5007
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5007

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 2.3e+02;
Matches 11; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 942 TGCTGCTACCGCCG 957
||:|:|:|:|:|:|

Db 1 UGUGUGUGUGUGUGUGUG 16
|||:|:|:|:|:|:|

RESULT 340

US-09-371-772B-6384
; Sequence 6384, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371.772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6384
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-6384

Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 2.3e+02;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1444 CATCCACTGGTACTCG 1459
||:|:|:|:|:|:|

Db 2 CAUCCACUGGUAUUGG 17
||:|:|:|:|:|:|

RESULT 341

PCT-US93-00977-72/c
; Sequence 72, Application PC/TUS9300977
; GENERAL INFORMATION:
; TITLE OF INVENTION: METHOD AND REAGENT FOR MEASURING MESSENGER RNA
; NUMBER OF SEQUENCES: 711
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson, and Bear
; STREET: 620 Newport Center Dr. Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/00977
; FILING DATE: 19930129
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.006H
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double

```

; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
PCT-US93-00977-72
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 642 TGGCGGTGGAGCCGG 657
DB 16 TGGCGGTGGAGCCGAG 1

RESULT 342
PCT-US94-05617-15
; Sequence 15, Application PC/TUS9405617
; GENERAL INFORMATION:
; APPLICANT: Antigen Express, Inc.
; TITLE OF INVENTION: Regulation of Antigen Presentation
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell, P.C.
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: USA
; ZIP: 03911
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05617
; FILING DATE: 18-MAY-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/064,400
; FILING DATE: May 19, 1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M.
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: REH-9301 WO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 207-363-0558
; TELEFAX: 207-363-0528
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-05617-15
Query Match 0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.3e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1306 GCTCCTGGTGCTGCACTG 1321
DB 2 GCTCCTGGTGGAATG 17

RESULT 343
US-07-910-867B-9
; Sequence 9, Application US/07910867B
; Patent No. 5597895
; GENERAL INFORMATION:
; APPLICANT: Gaynor, Richard B.

```

```

; APPLICANT: Garcia, Joseph A.
; APPLICANT: Harrich, David
; TITLE OF INVENTION: Transdominant Tat Mutants and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: US
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/910,867B
; FILING DATE: 02-JUL-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mayfield, Denise L.
; REGISTRATION NUMBER: 33,732
; REFERENCE/DOCKET NUMBER: UTSD:263/MAY
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-07-910-867B-9
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1545 GGGGGGCGGGGAGG 1560
DB 2 GGGGAGCGCGGAGG 17

RESULT 344
US-08-346-613-9
; Sequence 9, Application US/08346613
; Patent No. 5686264
; GENERAL INFORMATION:
; APPLICANT: GAYNOR, RICHARD B.
; APPLICANT: GARCIA, JOSEPH A.
; APPLICANT: HARRICH, DAVID
; TITLE OF INVENTION: TRANSDOMINANT TAT MUTANTS AND USES
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/346,613

```

/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 07/910,867
/ FILING DATE: 07/02/92
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MAYFIELD, DENISE L.
/ REGISTRATION NUMBER: 33,732
/ REFERENCE/DOCKET NUMBER: UTSD:263/MAY
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 512-320-7200
/ TELEFAX: 512-474-7577
/ TELEX: NOT APPLICABLE
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-346-613-9

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1545 GGGGGCGCGGGGAGG 1560
Db 2 GGGAGCGCGGGAGG 17

RESULT 345
US-08-796-883-9/c
Sequence 9, Application US/08796883
Patent No. 5744353
GENERAL INFORMATION:
APPLICANT: Herman, Jean; Coullie, Pierre;
APPLICANT: Boon-Falleur, Thierry; van der Bruggen, Pierre;
APPLICANT: Luescher, Immanuel.
TITLE OF INVENTION: Tumor Rejection Antigens Presented By
TITLE OF INVENTION: HLA-B44 Molecules, And Uses Thereof
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSES: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/796,883
FILING DATE: 06-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/602,506
FILING DATE: 20-FEBRUARY-1996
APPLICATION NUMBER: 08/531,864
FILING DATE: 21-SEPTEMBER-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/373,636
FILING DATE: 17-JANUARY-1995
APPLICATION NUMBER: 08/253,503
FILING DATE: 3-JUNE-1994
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5744353man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5436
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: nucleic acid

/ TELEPHONE: (212) 688-9200
/ TELEFAX: (212) 838-3884
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: nucleic acid
/ FEATURE:
/ NAME/KEY: PCR primer
/ US-08-796-883-9

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1013 TCCTCGGGCTCGGGC 1028
Db 17 TCCTCGGACTCGTGGC 2

RESULT 346
US-08-796-883-11/c
Sequence 11, Application US/08796883
Patent No. 5744353
GENERAL INFORMATION:
APPLICANT: Herman, Jean; Coullie, Pierre;
APPLICANT: Boon-Falleur, Thierry; van der Bruggen, Pierre;
APPLICANT: Luescher, Immanuel.
TITLE OF INVENTION: Tumor Rejection Antigens Presented By
TITLE OF INVENTION: HLA-B44 Molecules, And Uses Thereof
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSES: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/796,883
FILING DATE: 06-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/602,506
FILING DATE: 20-FEBRUARY-1996
APPLICATION NUMBER: 08/531,864
FILING DATE: 21-SEPTEMBER-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/373,636
FILING DATE: 17-JANUARY-1995
APPLICATION NUMBER: 08/253,503
FILING DATE: 3-JUNE-1994
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5744353man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5436
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: nucleic acid

```

STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/448,561
FILING DATE: 22-JAN-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT RM 92 A/919
FILING DATE: 22-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: SIRNA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-448-561-23

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred.No.2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 785 ACCAAGCTGGTGAAGG 800
|||||
DB 17 ACCACGCTGGTGACGG 2

RESULT 349
US-08-531-864-9/C
; Sequence 9, Application US/08531864
; Patent No. 5977300
; GENERAL INFORMATION:
; APPLICANT: Coulie, Pierre; Boon-Falleur, Thierry
; TITLE OF INVENTION: Isolated No. 5977300a- and Decapeptides Which
; TITLE OF INVENTION: Bind to HLA-B4 Molecules And The Use Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felle & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/531,864
; FILING DATE: 21-September-1995
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,636
; FILING DATE: 17-JANUARY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/253,503
; FILING DATE: 3-JUNE-1994
; ATTORNEY/AGENT INFORMATION:

```

```
/ NAME: Hanson, No. 5977300man D.
/ REGISTRATION NUMBER: 30,946
/ REFERENCE/DOCKET NUMBER: LUD 5378.3
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 688-9200
/ TELEFAX: (212) 838-3884
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: nucleic acid
/ FEATURE:
/ NAME/KEY: PCR primer
/ US-08-531-864-9

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGGCTCGGGC 1028
DB 17 TCCTCGGACTCGTGGC 2

RESULT 350
US-08-531-864-11/c
/ Sequence 11, Application US/08531864
/ Patent No. 5977300
/ GENERAL INFORMATION:
/ APPLICANT: Coulie, Pierre; Boon-Falleur, Thierry
/ TITLE OF INVENTION: Isolated No. 5977300a- and Decapeptides Which
/ BIND TO HLA-B44 Molecules And The Use Thereof
/ NUMBER OF SEQUENCES: 27
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Felfe & Lynch
/ STREET: 805 Third Avenue
/ CITY: New York City
/ STATE: New York
/ ZIP: 10022
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB storage
/ COMPUTER: IBM
/ OPERATING SYSTEM: PC-DOS
/ SOFTWARE: Wordperfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/531.864
/ FILING DATE: 21-September-1995
/ CLASSIFICATION: 436
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/373,636
/ FILING DATE: 17-JANUARY-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/253,503
/ FILING DATE: 3-JUNE-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hanson, No. 5977300man D.
/ REGISTRATION NUMBER: 30,946
/ REFERENCE/DOCKET NUMBER: LUD 5378.3
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 688-9200
/ TELEFAX: (212) 838-3884
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: nucleic acid
/ FEATURE:
/ NAME/KEY: PCR primer
/ US-08-531-864-11
```

```
Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGGCTCGGGC 1028
DB 17 TCCTCGGACTCGTGGC 2

RESULT 351
US-08-373-636C-9/c
/ Sequence 9, Application US/08373636C
/ Patent No. 5997870
/ GENERAL INFORMATION:
/ APPLICANT: Coulie, Pierre; Boon-Falleur, Thierry
/ TITLE OF INVENTION: Isolated Nucleic Acid Molecules Which Codes
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Felfe & Lynch
/ STREET: 805 Third Avenue
/ CITY: New York City
/ STATE: New York
/ ZIP: 10022
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
/ COMPUTER: IBM
/ OPERATING SYSTEM: PC-DOS
/ SOFTWARE: Wordperfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/373.636C
/ FILING DATE: 17-JANUARY-1995
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/253,503
/ FILING DATE: 3-JUNE-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hanson, No. 5997870man D.
/ REGISTRATION NUMBER: 30,946
/ REFERENCE/DOCKET NUMBER: LUD 5378.2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 688-9200
/ TELEFAX: (212) 838-3884
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 18 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: nucleic acid
/ FEATURE:
/ NAME/KEY: PCR primer
/ US-08-373-636C-9

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGGCTCGGGC 1028
DB 17 TCCTCGGACTCGTGGC 2

RESULT 352
US-08-373-636C-11/c
/ Sequence 11, Application US/08373636C
/ Patent No. 5997870
/ GENERAL INFORMATION:
/ APPLICANT: Coulie, Pierre; Boon-Falleur, Thierry
/ TITLE OF INVENTION: Isolated Nucleic Acid Molecules Which Codes
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Felfe & Lynch
/ US-08-531-864-11
```

STREET: 805 Third Avenue
CITY: New York City
STATE: New York
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/373.636C
FILING DATE: 17-JANUARY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/253,503
FILING DATE: 3-JUNE-1994
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5957870man D.
REGISTRATION NUMBER: 30,945
REFERENCE/DOCKET NUMBER: LUD 5378.2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: nucleic acid
FEATURE:
NAME/KEY: PCR primer
US-08-373-636C-11

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGGCTCGGGC 1028
|||||
DB 17 TCCTCGGACTCGTGC 2

RESULT 353
US-09-205-921-13/c
Sequence 13, Application US/09205921A
Patent No. 6008048
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: ex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF EGR-1 EXPRESSION
FILE REFERENCE: RTS-0028
CURRENT APPLICATION NUMBER: US/09/205,921A
CURRENT FILING DATE: 1998-12-04
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 13
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-921-13

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGGCGCGCGCG 1383
|||||
DB 18 GCGGTGGAGCGCGG 3

RESULT 354

US-09-344-520-18/c
Sequence 18, Application US/09344520
Patent No. 6037176
GENERAL INFORMATION:
APPLICANT: Frank Bennett
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowsett
TITLE OF INVENTION: ANTISENSE MODULATION OF Integrin beta 3 EXPRESSION
FILE REFERENCE: RTS-0070
CURRENT APPLICATION NUMBER: US/09/344,520
CURRENT FILING DATE: 1999-06-25
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 18
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-520-18

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 439 GCTGATGACTCAGAG 454
|||||
DB 18 GCTGATGACTGAGAG 3

RESULT 355
US-09-029-045-9/c
Sequence 9, Application US/09029045
Patent No. 6056952
GENERAL INFORMATION:
APPLICANT: Rosenberg, Amy Sonya
TITLE OF INVENTION: Selective Elimination of T Cells That
TITLE OF INVENTION: Recognize Specific Preslected Targets
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/029,045
FILING DATE: 02-JUN-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/002,964
FILING DATE: 30-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/13873
FILING DATE: 29-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 015280-236100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear


```
; NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 46
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-46

Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1123 CGCGCGGCTCTGCCC 1138
Db 16 CGCGCGCACCTGCCC 1

RESULT 359
US-09-166-186-13
; Sequence 13, Application US/09166186A
; Patent No. 6080580
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda
; APPLICANT: Bennett, C. Frank
; APPLICANT: Butler, Madeline M.
; APPLICANT: Shanshan, William R.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF- $\alpha$  EXPRESSION
; FILE REFERENCE: ISPH-0322
; CURRENT APPLICATION NUMBER: US/09/166,186A
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 13
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-166-186-13

Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 236 CGGTTGCGGAGAGGA 251
Db 1 CGGTTGCGAGAGATGA 16

RESULT 360
US-09-197-380-8/c
; Sequence 8, Application US/09197380
; Patent No. 6096543
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF MEK1 EXPRESSION
; FILE REFERENCE: KTS-0016
; CURRENT APPLICATION NUMBER: US/09/197,380
; CURRENT FILING DATE: 1998-11-20
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 8
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-197-380-8

Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 14 CGAGGAGAGAGCGAG 29
Db 17 CGAGGAGGAGAGCGAG 2

RESULT 361
US-08-863-813A-62
; Sequence 62, Application US/08863813A
; Patent No. 6140466
; GENERAL INFORMATION:
; APPLICANT: Barbas III, Carlos F.
; APPLICANT: Gottesfeld, Joel M.
; APPLICANT: Wright, Peter E.
; TITLE OF INVENTION: ZINC FINGER PROTEIN DERIVATIVES
; TITLE OF INVENTION: AND METHODS THEREFOR
; NUMBER OF SEQUENCES: 62
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FASTSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/863,813A
; FILING DATE: 27-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/676,318
; FILING DATE: 18-JUL-1996
; APPLICATION NUMBER: 08/183,119
; FILING DATE: 18-JAN-1996
; APPLICATION NUMBER: US95/00829
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A., Ph.D.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 08401/010001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 62:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
US-08-863-813A-62

Query Match      0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1368 GCGGGCGCGCGCGG 1383
Db 1 GCGTGGCGCGGGCGG 16

RESULT 362
US-08-211-882-15
; Sequence 15, Application US/08211882
; Patent No. 6153737
; GENERAL INFORMATION:
; APPLICANT: Manoharan et al.
; TITLE OF INVENTION: Derivatized Oligonucleotides Having
; TITLE OF INVENTION: Improved Uptake And Other Properties
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
```

ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz and No. 61537377ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 720 KB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/211,882
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/782,374
FILING DATE: 24-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Joseph Lucci
REGISTRATION NUMBER: 33,307
REFERENCE/DOCKET NUMBER: ISIS-0649
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-211-882-15

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 33 GCGAGCGGAGCGAGG 48
| | | | | | | | | | | | | | | | | |
Db 2 GCGAGCGGTAGCGAGG 17

RESULT 363
US-09-487-444-11/c
; Sequence 11, Application US/09487444
; Patent No. 6159697
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD7 EXPRESSION
; FILE REFERENCE: R1S-0133
; CURRENT APPLICATION NUMBER: US/09/487,444
; CURRENT FILING DATE: 2000-01-19
; NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 11
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-444-11

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGCGC 166
| | | | | | | | | | | | | | | | | |
Db 16 GCTGCTGCTGCTGCTG 1

RESULT 364
US-09-266-294-9/c

; Sequence 9, Application US/09266294
; Patent No. 6171806
; GENERAL INFORMATION:
; APPLICANT: Coullie, Pierre; Boon-Falleur, Thierry
; TITLE OF INVENTION: Isolated No. 6171806a- and Decapeptides Which
; BIND TO HLA-B44 Molecules And The Use Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/266,294
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/531,864
; FILING DATE: 21-September-1995
; APPLICATION NUMBER: 08/373,636
; FILING DATE: 17-JANUARY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/253,503
; FILING DATE: 3-JUNE-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 6171806man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5378.3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 688-3884
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: nucleic acid
; FEATURE:
; NAME/KEY: PCR primer
US-09-266-294-9

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGGCTCGGGC 1028
| | | | | | | | | | | | | | | | | |
Db 17 TCCTCGGACTCGTGGC 2

RESULT 365
US-09-266-294-11/c
; Sequence 11, Application US/09266294
; Patent No. 6171806
; GENERAL INFORMATION:
; APPLICANT: Coullie, Pierre; Boon-Falleur, Thierry
; TITLE OF INVENTION: Isolated No. 6171806a- and Decapeptides Which
; BIND TO HLA-B44 Molecules And The Use Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; ZIP: 10022
; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB storage

COMPUTER: IBM

OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/266,294

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/531,864

FILING DATE: 21-September-1995

APPLICATION NUMBER: 08/373,636

FILING DATE: 17-JANUARY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/253,503

FILING DATE: 3-JUNE-1994

ATTORNEY/AGENT INFORMATION:

NAME: Hanson, No. 6171806man D.

REGISTRATION NUMBER: 30,946

REFERENCE/DOCKET NUMBER: LUD 5378.3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200

TELEFAX: (212) 838-3884

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: nucleic acid

FEATURE:

NAME/KEY: PCR primer

US-09-266-294-11

Query Match 0.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2.6e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1013 TCCTCGGGCTCGGGC 1028

Db 17 TCCTCGGACTCGTGGC 2

RESULT 366

US-09-313-932-13

Sequence 13, Application US/09313932A

Patent No. 6228642

GENERAL INFORMATION:

APPLICANT: Baker, Brenda

APPLICANT: Bennett, C. Frank

APPLICANT: Butler, Madeline M.

APPLICANT: Shanahan, William R.

TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNP-

FILE REFERENCE: ISPH-0356

CURRENT APPLICATION NUMBER: US/09/313,932A

CURRENT FILING DATE: 1999-05-18

NUMBER OF SEQ ID NOS: 501

SEQ ID NO 13

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Synthetic

US-09-313-932-13

Query Match 0.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2.6e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 236 GGGTTCGGGAGGGA 251

Db 1 GGGTTCGAGAATGA 16

RESULT 367

US-09-179-281-9/c

Sequence 9, Application US/09179281

Patent No. 6245333

GENERAL INFORMATION:

APPLICANT: Coullie, Pierre; Boon-Falleur, Thierry

TITLE OF INVENTION: Isolated Nucleic Acid Molecules Which Codes

NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSEE: Felfe & Lynch

STREET: 805 Third Avenue

CITY: New York City

STATE: New York

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

COMPUTER: IBM

OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/179,281

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/373,636

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Hanson, No. 6245333man D.

REGISTRATION NUMBER: 30,946

REFERENCE/DOCKET NUMBER: LUD 5378.2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200

TELEFAX: (212) 838-3884

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: nucleic acid

FEATURE:

NAME/KEY: PCR primer

US-09-179-281-9

Query Match 0.8%; Score 12.8; DB 1; Length 18;

Best Local Similarity 87.5%; Pred. No. 2.6e+02;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1013 TCCTCGGGCTCGGGC 1028

Db 17 TCCTCGGACTCGTGGC 2

RESULT 368

US-09-179-281-11/c

Sequence 11, Application US/09179281

Patent No. 6245333

GENERAL INFORMATION:

APPLICANT: Coullie, Pierre; Boon-Falleur, Thierry

TITLE OF INVENTION: Isolated Nucleic Acid Molecules Which Codes

NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSEE: Felfe & Lynch

STREET: 805 Third Avenue

CITY: New York City

STATE: New York

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

COMPUTER: IBM

OPERATING SYSTEM: PC-DOS

For A

For A

```
;
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/179,281
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,636
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 6245333man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5378.2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 688-9200
; TELEFAX: (212) 838-3884
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: nucleic acid
; FEATURE:
; NAME/KEY: PCR primer
; US-09-179-281-11

Query Match          0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1013 TCCTCGGCTCGGGC 1028
DB 17 TCCTCGGACTCGTGGC 2

RESULT 369
US-09-195-940-11
; Sequence 11, Application US/09195940
; Patent No. 6258935
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRP POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303
; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/195,940
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/611,280
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
; REGISTRATION NUMBER: 34,688
; REFERENCE/DOCKET NUMBER: A-338A
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

```
;
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; US-09-195-940-11

Query Match          0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 504 CAGAGTGAAGTGGC 519
DB 3 CAGAAGTGAAGTGGC 18

RESULT 370
US-08-679-645-555/c
; Sequence 555, Application US/08679645
; Patent No. 6350934
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggan, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
; TITLE OF INVENTION: IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/679,645
; FILING DATE: July 12, 1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 555:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-679-645-555

Query Match          0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

QY 1079 CGCCCGGCGGCGG 1094
||||| ||||| |||||
Db 16 CGCCCGGCGGCGG 1

RESULT 371

US-09-562-466-11
; Sequence 11, Application US/09562466
; Patent No. 6395202

GENERAL INFORMATION:

APPLICANT: Matsuyama, Toshifumi
; Grossman, Alex
; Richardson, Christopher D.

TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSEE: Amgen Canada Inc.

STREET: 6733 Mississauga Road, Suite 303

CITY: Mississauga

STATE: Ontario

COUNTRY: Canada

ZIP: L5N 6J8

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

APPLICANT: Williams, Kevin J

TITLE OF INVENTION: A Human Gene Encoding Human Chondroitin

TITLE OF INVENTION: 6-Sulfotransferase

FILE REFERENCE: JEFF-0231

CURRENT APPLICATION NUMBER: US/09/015,188C

CURRENT FILING DATE: 1998-01-29

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 10

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Primer

US-09-015-188-10

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 504 CAGAGTGAAGTGG 519

||||| ||||| |||||

Db 3 CAGAGTGAAGTGG 18

||||| ||||| |||||

RESULT 372

US-09-633-659-15

; Sequence 15, Application US/09633659

; Patent No. 6395492

GENERAL INFORMATION:

APPLICANT: Mancharan, Muthiah

APPLICANT: Cook, Phillip Dan

APPLICANT: Bennett, Clarence Frank

TITLE OF INVENTION: Derivatized Oligonucleotides Having Improved Uptake And

FILE REFERENCE: ISIS470

CURRENT APPLICATION NUMBER: US/09/633,659

CURRENT FILING DATE: 2000-08-07

PRIOR APPLICATION NUMBER: 08/211,882

PRIOR FILING DATE: 1994-04-22

; PRIOR APPLICATION NUMBER: 07/782,374

; PRIOR FILING DATE: 1991-10-24

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 15

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence

US-09-633-659-15

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 33 GCGAGCGGAGCGAGG 48

||||| ||||| |||||

Db 2 GCGAGCGGAGCGAGG 17

||||| ||||| |||||

RESULT 373

US-09-015-188-10

; Sequence 10, Application US/09015188C

; Patent No. 6393358

GENERAL INFORMATION:

APPLICANT: Williams, Kevin J

TITLE OF INVENTION: A Human Gene Encoding Human Chondroitin

TITLE OF INVENTION: 6-Sulfotransferase

FILE REFERENCE: JEFF-0231

CURRENT APPLICATION NUMBER: US/09/015,188C

CURRENT FILING DATE: 1998-01-29

NUMBER OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 10

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Primer

US-09-015-188-10

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 793 GGTGAGGACCTGAGC 808

||||| ||||| |||||

Db 2 GGTGAGGACCTGAGC 17

||||| ||||| |||||

RESULT 374

US-09-516-911-4

; Sequence 4, Application US/09516911

; Patent No. 6489105

GENERAL INFORMATION:

APPLICANT: McGill University

APPLICANT: Imperial Cancer Research Technology (ICRT)

APPLICANT: International Center for Genetic Engineering and

APPLICANT: Biotechnology (ICGB)

APPLICANT: MATIASHEWSKI Greg J.

APPLICANT: BANKS, Lawrence

APPLICANT: STOREY, Alan

TITLE OF INVENTION: SCREENING METHOD FOR DETERMINING

TITLE OF INVENTION: INDIVIDUALS AT RISK OF DEVELOPING DISEASES ASSOCIATED WITH

TITLE OF INVENTION: DIFFERENT POLYMORPHIC FORMS OF WILDTYPE p53

FILE REFERENCE:

CURRENT APPLICATION NUMBER: US/09/516,911

CURRENT FILING DATE: 2000-03-01

EARLIER APPLICATION NUMBER: CA 2,214,461

EARLIER FILING DATE: 1997-09-02

NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 4

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Human p53

US-09-516-911-4

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1422 CGGGTGGGGGGGCAC 1437

Db 1 CTGGTGCAGGGGCAC 16

RESULT 375

US-09-435-321-9/c

; Sequence 9, Application US/09435321

; Patent No. 6491908

; GENERAL INFORMATION:

; APPLICANT: Rosenberg, Amy Sonya

; TITLE OF INVENTION: Selective Elimination of T Cells That

; Recognize Specific Preselected Targets

; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend and Crew LLP

; STREET: Two Embarcadero Center, Eighth Floor

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/435,321

; FILING DATE: 04-No. 6491908-1999

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/029,045

; FILING DATE: 02-JUN-1998

; APPLICATION NUMBER: US 60/002,964

; FILING DATE: 30-AUG-1995

; APPLICATION NUMBER: WO PCT/US96/13873

; FILING DATE: 29-AUG-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Weber, Kenneth A.

; REGISTRATION NUMBER: 31,677

; REFERENCE/DOCKET NUMBER: 015280-236100US

; TELEPHONE: (415) 576-0200

; TELEFAX: (415) 576-0300

; INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-09-435-321-9

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1476 TAGGCACCTGGCTCT 1491

Db 18 TAGTCACCTGGCTCT 3

RESULT 376

US-09-362-842-57/c

; Sequence 57, Application US/09362842

; Patent No. 6511824

; GENERAL INFORMATION:

; APPLICANT: Buchman et al.

; TITLE OF INVENTION: NUCLEIC ACIDS AND POLYPEPTIDES OF INVERTEBRATE TWIK

; FILE REFERENCE: 7326-104

; CURRENT APPLICATION NUMBER: US/09/362,842

; CURRENT FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: 09/270,767

; NUMBER OF SEQ ID NOS: 70

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 57

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Drosophila melanogaster

US-09-362-842-57

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 142 CATGGCGAGATGCTG 157

Db 16 CATGGACGAGATGTTG 1

RESULT 377

US-09-422-978-5567/c

; Sequence 5567, Application US/09422978

; Patent No. 6537751

; GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel

; APPLICANT: Blumenfeld, Marta

; APPLICANT: Chumakov, Ilya

; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

; FILE REFERENCE: GENSET.020CPL

; CURRENT APPLICATION NUMBER: US/09/422,978

; CURRENT FILING DATE: 1999-10-20

; EARLIER APPLICATION NUMBER: US 09/298,850

; EARLIER FILING DATE: 1999-04-21

; EARLIER APPLICATION NUMBER: US 60/109,732

; EARLIER FILING DATE: 1998-11-23

; EARLIER APPLICATION NUMBER: US 60/082,614

; EARLIER FILING DATE: 1998-04-21

; NUMBER OF SEQ ID NOS: 11796

; SEQ ID NO 5567

; LENGTH: 18

; TYPE: DNA

; ORGANISM: Homo Sapiens

; FEATURE:

; NAME/KEY: primer_bind

; LOCATION: 1..18

; OTHER INFORMATION: upstream amplification primer 99-5294 for SEQ 1633,

US-09-422-978-5567

Query Match

Best Local Similarity 0.8%; Score 12.8; DB 1; Length 18;

Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1246 GGTATCGAGGAGCAC 1261

Db 18 GGTATAGAGAGCAC 3

RESULT 378

US-09-679-298A-30/c

```
/ Sequence 30, Application US/09679298A
/ Patent No. 6566131
/ GENERAL INFORMATION:
/ APPLICANT: Brett P. Monia
/ APPLICANT: Lex M. Cowert
/ TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD6 EXPRESSION
/ FILE REFERENCE: RTS-0045
/ CURRENT APPLICATION NUMBER: US/09/679,298A
/ CURRENT FILING DATE: 2001-03-05
/ NUMBER OF SEQ ID NOS: 47
/ SEQ ID NO 30
/ LENGTH: 18
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Antisense Oligonucleotide
US-09-679-298A-30

Query Match 0.8%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 151 GATGCTGCTGCTGGCG 166
DB 17 GCTGCTGCTGCTGGAG 2

RESULT 379
US-09-083-123-5
/ Sequence 5, Application US/09083123
/ Patent No. 6326143
/ GENERAL INFORMATION:
/ APPLICANT: Orum, Hendrik
/ APPLICANT: Seeger, Corina
/ TITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
/ FILE OF INVENTION: Acids
/ FILE REFERENCE: sequence listing
/ CURRENT APPLICATION NUMBER: US/09/083,123
/ CURRENT FILING DATE: 1998-05-22
/ EARLIER APPLICATION NUMBER: EP 95118600.6
/ EARLIER FILING DATE: 1995-11-25
/ EARLIER APPLICATION NUMBER: PCT/EP96/05149
/ EARLIER FILING DATE: 1996-11-22
/ NUMBER OF SEQ ID NOS: 8
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 32
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: made by humans
US-09-083-123-5

Query Match 0.8%; Score 12.8; DB 1; Length 32;
Best Local Similarity 62.5%; Pred. No. 6e+02;
Matches 20; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 76 CCACACACCCCGCCGCGCACTCGGCCCG 107
DB 1 CCCCCCCCCCCCCCCCCCCCCCCCCCG 32

RESULT 380
US-08-985-162-1770
/ Sequence 1770, Application US/08985162
/ Patent No. 6057156
/ GENERAL INFORMATION:
/ APPLICANT: Akhtar, Saghir
/ APPLICANT: Fell, Patricia
/ APPLICANT: McSwigger, James
/ TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
/ TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
/ TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
```

```
/ TITLE OF INVENTION: FACTOR RECEPTORS
/ NUMBER OF SEQUENCES: 1877
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/985,162
/ FILING DATE: 04 December 1997
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 1770:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 14 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
US-08-985-162-1770

Query Match 0.8%; Score 12.4; DB 1; Length 14;
Best Local Similarity 71.4%; Pred. No. 1.6e+02;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1304 GCGCTCTGCTGC 1317
DB 1 GCGCGCGCGCGC 14

RESULT 381
US-07-997-455-4
/ Sequence 4, Application US/07997455
/ Patent No. 5429948
/ GENERAL INFORMATION:
/ APPLICANT: Crespi, Charles L.
/ APPLICANT: Penman, Bruce W.
/ APPLICANT: Davies, Robin L.
/ TITLE OF INVENTION: Human Cell Line Stably Expressing 5CDNAs
/ TITLE OF INVENTION: Encoding Procarcinogen-Activating Enzymes and Related
/ TITLE OF INVENTION: Mutagenicity
/ NUMBER OF SEQUENCES: 5
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
/ STREET: 600 Atlantic Avenue
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: United States of America
/ ZIP: 02210
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/07/997,455
FILING DATE: 19921228
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/597,815
FILING DATE: 15-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/771,520
FILING DATE: 04-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/162,885
FILING DATE: 02-MAR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Gates, Edward R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: G0307/7004
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-07-997-455-4

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. NO. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 165 CGAGATGTCGTG 178
Db 2 CGAGATGTCGCG 15

RESULT 382
US-08-153-051B-52/c
Sequence 52, Application US/08153051B
Patent No. 5645986
GENERAL INFORMATION:
APPLICANT: Michael D. West
APPLICANT: Jerry W. Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth Blackburn
APPLICANT: Nam Woo Kim
APPLICANT: Calvin B. Harley
APPLICANT: Scott L. Weinrich
APPLICANT: Catherine Strahl
APPLICANT: Michael J. McEachern
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO TELEOMERE
TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/153,051B
FILING DATE: No. 5645986member 12, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 204/195
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-153-051B-52

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. NO. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 72 CACACGCACACAC 85
Db 15 CACACACACACAC 2

RESULT 383
US-08-291-932A-266/c
Sequence 266, Application US/08291932A
Patent No. 5658780

GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth G.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 266:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-291-932A-266

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 644 GCGGTGGAGGCCGG 657
DB 14 GAGGTGGAGGCCGG 1

RESULT 384

US-08-060-952C-51/c
Sequence 51, Application US/08060952C
Patent No. 5695932

GENERAL INFORMATION:
APPLICANT: Michael D. West
APPLICANT: Jerry W. Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth Blackburn
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF CONDITIONS
RELATED TO TELOMERE LENGTH AND/OR
TITLE OF INVENTION: RELATED TO TELOMERE LENGTH AND/OR
TITLE OF INVENTION: TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/060,952C
FILING DATE: May 13, 1993
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,438
FILING DATE: May 13, 1992
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 202/045
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-060-952C-51

Query Match 0.8%; Score 12.4; DB 1; Length 15;

Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 72 CACACGCACACACC 85
DB 15 CACACGCACACACC 2

RESULT 385

US-08-363-240A-139
Sequence 139, Application US/08363240A
Patent No. 5705388

GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaier, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
PREVENTION, INHIBITION OF
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 139:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-363-240A-139

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 675 ACAGTCCAGGCA 688
DB 2 ACAGUUCAGGCA 15

RESULT 386

US-08-363-240A-140
Sequence 140, Application US/08363240A
Patent No. 5705388
GENERAL INFORMATION:
APPLICANT: Couture, Larry

```

; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-140

```

```

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 85.7%; Pred. No. 2e+02;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 675 ACAGTCCAGGCA 688
Db 1 ACAGUUCAGGCA 14

```

```

RESULT 387
US-08-311-486C-58/c
; Sequence 58, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; TITLE OF INVENTION: KIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles

```

```

; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-58

```

```

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 235 GGGTTCGGGAGA 248
Db 15 GGGTTCGGGAGA 2

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RESULT 388
US-08-151-477A-52/c
; Sequence 52, Application US/08151477A
; Patent No. 5830644
; GENERAL INFORMATION:
; APPLICANT: Michael D. West
; APPLICANT: Jerry W. Shay
; APPLICANT: Woodring E. Wright
; APPLICANT: Elizabeth Blackburn
; APPLICANT: Nam Woo Kim
; APPLICANT: Calvin B. Harley
; APPLICANT: Scott L. Weinrich
; APPLICANT: Catherine Strahl
; APPLICANT: Michael J. McEachern
; APPLICANT: Homayoun Vaziri
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
; TITLE OF INVENTION: CONDITIONS RELATED TO TELOMERE
; TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:

```

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/151.477A
FILING DATE: No. 5830644ember 12, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 202/189
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-151-477A-52

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 72 CACAGGACACACC 85
DB 15 CACACACACACC 2

RESULT 389
US-08-585-684B-48
Sequence 48, Application US/08585584B
Patent No. 5877021
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-585-684B-48

Query Match 0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 64.3%; Pred. No. 2e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 898 GAAGGCTCTCTACG 911
DB 2 GAGGGUCUUCUACG 15

RESULT 390
US-08-819-867-79/c
Sequence 79, Application US/08819867
Patent No. 6007989
GENERAL INFORMATION:
APPLICANT: Michael D. West
APPLICANT: Calvin B. Harley
APPLICANT: Scott L. Weinrich
APPLICANT: Catherine M. Strahl
APPLICANT: Michael J. McEachern
APPLICANT: Jerry Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth H. Blackburn
APPLICANT: Nam Woo Kim
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
CONDITIONS RELATED TO
TITLE OF INVENTION: TELOMERE LENGTH AND/OR
TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,867
FILING DATE: March 14, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/153,051
FILING DATE: No. 6007989ember 12, 1993
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:

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US-08-819-867-79
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
Query Match
Best Local Similarity 0.8%; Score 12.4; DB 1; Length 15;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
QY 72 CACACGCACACACC 85
| | | | | | | | | | | | | | |
DB 15 CACACACACACACC 2
;
RESULT 391
US-09-038-073-48
; Sequence 48, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: Jarvis, Thale
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb.
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,073
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,654
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-038-073-48
Query Match
Best Local Similarity 0.8%; Score 12.4; DB 1; Length 15;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
;
QY 898 GAAGGTCTTCTACG 911
| | | | | | | | | | | | | | |
DB 2 GAGGGUUCUUCACG 15
;
RESULT 392
US-08-819-867-79
; Sequence 627, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 627
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-09-081-646-627
Query Match
Best Local Similarity 0.8%; Score 12.4; DB 1; Length 15;
Matches 13; Conservative 0; Mismatches 1; Indels 0;
;
QY 132 TCATCAGTTCATG 145
| | | | | | | | | | | | | | |
DB 14 TCATCATTTCCATG 1
;
RESULT 393
US-08-464-011B-51/c
; Sequence 51, Application US/08464011B
; Patent No. 6368789
; GENERAL INFORMATION:
; APPLICANT: Michael D. West
; APPLICANT: Jerry W. Shay
; APPLICANT: Woodring E. Wright
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF CONDITIONS
; RELATED TO TELOMERASE LENGTH AND/OR
; TELOMERASE ACTIVITY
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,011B
; FILING DATE: 05-Jun-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/882,438
; FILING DATE: May 13, 1992
; APPLICATION NUMBER: 08/038,766
; FILING DATE: March 24, 1993
; APPLICATION NUMBER: 08/060,952
; FILING DATE: May 13, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 202/045

```

Q

Db 16 TGTGACGAAGATGG 3

RESULT 396
US-08-311-760A-349/c
; Sequence 349, Application US/08311760A
; Patent No. 5599706
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: McSwiggen, James
; APPLICANT: Newton, Roger S.
; APPLICANT: Ramharack, Randy
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF
; TITLE OF INVENTION: PLASMA LIPOPROTEIN (a) [LP(a)] BY
; TITLE OF INVENTION: INHIBITING APOLIPOPROTEIN
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 392
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311.760A
; FILING DATE: September 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/155
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 349:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-311-760A-349

Query Match 0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1485 GGCTCTGGCAGC 1498

Db 16 GGCTCTGGCAGC 3

RESULT 397
US-07-789-738-1
; Sequence 1, Application US/07789738
; Patent No. 5824857
; GENERAL INFORMATION:
; APPLICANT: Beachy, Roger N.
; APPLICANT: Bhattacharyya, Maitrayee
; TITLE OF INVENTION: Plant Promoter
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/774.310
; FILING DATE: December 23, 1996
; PRIOR APPLICATION DATA:
; ADDRESSEE: Dennis R. Hoerner, Jr., Monsanto Co. BB4F
; STREET: 700 Chestersfield Parkway No. 5824857th
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/789.738
; FILING DATE: 19920330
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10540)A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (synthetic)
US-07-789-738-1

Query Match 0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 897 AGAAGTCTTCTAC 910

Db 1 AGAAGTCTTCTAC 14

RESULT 398
US-08-774-310-349/c
; Sequence 349, Application US/08774310
; Patent No. 5877022
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
; APPLICANT: McSwiggen, James
; APPLICANT: Newton, Roger S.
; APPLICANT: Ramharack, Randy
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF
; TITLE OF INVENTION: PLASMA LIPOPROTEIN (a) [LP(a)] BY
; TITLE OF INVENTION: INHIBITING APOLIPOPROTEIN
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 392
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/774.310
; FILING DATE: December 23, 1996
; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: 08/311,760
; FILING DATE: September 23, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 223/329
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 349:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-774-310-349

```

```

Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

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QY 1485 GGCTCTGGGACGC 1498
DB 16 GGCTCTGGGACGC 3

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RESULT 399
PCT-US93-12246-8/c
; Sequence 8, Application PC/TUS9312246
; GENERAL INFORMATION:
; APPLICANT: Meyer Jr., Rich B.
; APPLICANT: Gall, Alexander A.
; APPLICANT: Reed, Michael W.
; TITLE OF INVENTION: Peptide Linkers For Improved
; TITLE OF INVENTION: Oligonucleotide Delivery
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klein & Sekeres
; STREET: 4199 Campus Drive, Suite 700
; CITY: Irvine
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92715
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/12246
; FILING DATE: 15-DEC-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/991,199
; FILING DATE: 15-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Szekeres, Gabor L.
; REGISTRATION NUMBER: 28,675
; REFERENCE/DOCKET NUMBER: 491-04-PA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (714) 854-5502
; TELEFAX: (714) 854-4897
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; ORIGINAL SOURCE:
; ORGANISM: Hepatitis B virus

```

```

; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "Nucleotide 1 is H2N-(CH2)6-OPO2-S'-O-C."
; PCT-US93-12246-8

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```

Query Match      0.8%; Score 12.4; DB 1; Length 16;
Best Local Similarity 92.9%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 533 TGGGACGAAGATGG 546
DB 16 TGTGACGAAGATGG 3

```

```

RESULT 400
US-08-271-942A-77/c
; Sequence 77, Application US/08271942A
; Patent No. 5550020
; GENERAL INFORMATION:
; APPLICANT: Gallie, Brenda L.
; APPLICANT: Dunn, James M.
; APPLICANT: Stevens, John K.
; TITLE OF INVENTION: Method, Reagents and Kit for Diagnosis
; TITLE OF INVENTION: and Targeted Screening for Retinoblastoma
; NUMBER OF SEQUENCES: 123
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oppedahl & Larson
; STREET: 1992 Commerce Street, Suite 309
; CITY: Yorktown Heights
; STATE: NY
; COUNTRY: USA
; ZIP: 10598-4412
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS 5.0
; SOFTWARE: Word Perfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/271,942A
; FILING DATE: 08-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Marina T. Larson
; REGISTRATION NUMBER: 32,038
; REFERENCE/DOCKET NUMBER: VGEN.P-003-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 245-3252
; TELEFAX: (914) 962-4330
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; NAME/KEY: primer for exon 1 of human RB1 gene
; US-08-271-942A-77

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Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 1323 CGCCCGCGGCACG 1336
    |||||
Db 14 CGCCCGCGCTCAG 1
    |||||

RESULT 401
US-08-196-218-8/c
; Sequence 8, Application US/08196218
; Patent No. 5614619
; GENERAL INFORMATION:
; APPLICANT: Piepersberg, Wolfgang
; APPLICANT: Stockmann, Michael
; APPLICANT: Taleghani, Kampiz Mansouri
; APPLICANT: Distler, Jurgen
; APPLICANT: Grabley, Susanne
; APPLICANT: Sichel, Petra
; APPLICANT: Brau, Barbara
; TITLE OF INVENTION: Secondary-Metabolite Biosynthesis Genes
; TITLE OF INVENTION: From Actinomycetes, Method of Isolating Them, and Their
; TITLE OF INVENTION: Use.
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/196,218
; FILING DATE: 25-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ogden, Stasia L.
; REGISTRATION NUMBER: 36,228
; REFERENCE/DOCKET NUMBER: 02481.1372-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-196-218-8

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.3%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1277 GCCTTCGCGCCTT 1290
    |||||
Db 1 GCCTTCGCGCTT 14
    |||||

RESULT 403
US-08-681-953-8/c
; Sequence 8, Application US/08681953
; Patent No. 5710032
; GENERAL INFORMATION:
; APPLICANT: Piepersberg, Wolfgang
; APPLICANT: Stockmann, Michael
; APPLICANT: Taleghani, Kampiz Mansouri
; APPLICANT: Distler, Jurgen
; APPLICANT: Grabley, Susanne
; APPLICANT: Sichel, Petra
; APPLICANT: Brau, Barbara
; TITLE OF INVENTION: Secondary-Metabolite Biosynthesis Genes
; TITLE OF INVENTION: From Actinomycetes, Method of Isolating Them, and Their
; TITLE OF INVENTION: Use.
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States
; ZIP: 20005-3315

Qy 1277 GCCTTCGCGCCTT 1290
    |||||
Db 17 GCCTTCGCGCTT 4
    |||||

RESULT 402
US-08-196-218-9
; Sequence 9, Application US/08196218
; Patent No. 5614619
; GENERAL INFORMATION:
; APPLICANT: Piepersberg, Wolfgang
; APPLICANT: Stockmann, Michael
; APPLICANT: Taleghani, Kampiz Mansouri
; APPLICANT: Distler, Jurgen
```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/681,953
FILING DATE: 30-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/196,218
FILING DATE: 25-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ogden, Stasia L.
REGISTRATION NUMBER: 36,228
REFERENCE/DOCKET NUMBER: 02481.1372-00000
TELEPHONE: 202-408-4400
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-681-953-8

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1277 GCCTTCGCGCCTT 1290
DB 17 GCCTTCGCGCCTT 4

RESULT 404
US-08-681-953-9
Sequence 9, Application US/08681953
Patent No. 5710032
GENERAL INFORMATION:
APPLICANT: Piepersberg, Wolfgang
APPLICANT: Stockmann, Michael
APPLICANT: Taleghani, Kamiz Mansouri
APPLICANT: Distler, Jürgen
APPLICANT: Grabley, Susanne
APPLICANT: Sichel, Petra
APPLICANT: Brau, Barbara
TITLE OF INVENTION: Secondary-Metabolite Biosynthesis Genes
TITLE OF INVENTION: From Actinomycetes, Method of Isolating Them, and Their
TITLE OF INVENTION: Use.
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: United States
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/681,953
FILING DATE: 30-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/196,218
FILING DATE: 25-AUG-1994

ATTORNEY/AGENT INFORMATION:
NAME: Ogden, Stasia L.
REGISTRATION NUMBER: 36,228
REFERENCE/DOCKET NUMBER: 02481.1372-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4400
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-681-953-9

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1277 GCCTTCGCGCCTT 1290
DB 1 GCCTTCGCGCCTT 14

RESULT 405
US-08-748-068-11
Sequence 11, Application US/08748068
Patent No. 5770410
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Chiral Synthesis
NUMBER OF SEQUENCES: 15
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/748,068
FILING DATE: 12-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,959
FILING DATE: 05-OCT-1994
APPLICATION NUMBER: GB 92 02033.8
FILING DATE: 30-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 92 04702.6
FILING DATE: 04-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 93/00204
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-748-068-11

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1173 CCGCGGCGCGCTAC 1186
DB 3 CCGCGGCGCGCAAC 16

RESULT 406
US-08-485-689-27/c
Sequence 27, Application US/08485689


```
; Patent No. 5856188
; GENERAL INFORMATION:
; APPLICANT: Hampel, Arnold E.
; APPLICANT: Tritz, Richard H.
; TITLE OF INVENTION: RNA CATALYST FOR CLEAVING SPECIFIC RNA SEQUENCES
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States Of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,689
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 43863-C1X/JPW/KJP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-278-0526
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
; US-08-485-689-27

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1345 CGGGGACAGCGCG 1358
Db 15 CGGGGACAGCGCG 2

RESULT 407
US-08-476-021A-27/c
; Sequence 27, Application US/08476021A
; Patent No. 5858785
; GENERAL INFORMATION:
; APPLICANT: Hampel, Arnold E.
; APPLICANT: Tritz, Richard H.
; TITLE OF INVENTION: RNA CATALYST FOR CLEAVING SPECIFIC RNA SEQUENCES
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States Of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,021A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
```

```
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 43863-DZ/JPW/KJP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-278-0526
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
; US-08-476-021A-27

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1345 CGGGGACAGCGCG 1358
Db 15 CGGGGACAGCGCG 2

RESULT 408
US-08-478-608B-27/c
; Sequence 27, Application US/08478608B
; Patent No. 5863339
; GENERAL INFORMATION:
; APPLICANT: Hampel, Arnold E.
; APPLICANT: Tritz, Richard H.
; TITLE OF INVENTION: RNA CATALYST FOR CLEAVING SPECIFIC RNA SEQUENCES
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States Of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,608B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 43863-C1Z/JPW/KJP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-278-0526
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA (genomic)
; US-08-478-608B-27

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1345 CGGGGACAGCGCG 1358
Db 15 CGGGGACAGCGCG 2
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RESULT 409

US-08-849-021-16
; Sequence 16, Application US/08849021
; Patent No. 5955276
; GENERAL INFORMATION:
; APPLICANT: MORGANTE, MICHELE
; APPLICANT: VOGEL, JULIE M.
; TITLE OF INVENTION: COMPOUND MICROSATELLITE
; TITLE OF INVENTION: PRIMERS FOR THE
; TITLE OF INVENTION: DETECTION OF GENETIC
; TITLE OF INVENTION: POLYMORPHISMS
; NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DU PONT DE NEMOURS AND
; ADDRESSEE: COMPANY
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: U.S.A.
; ZIP: 19898
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PATENT IN RELEASE #1.0, VERSION 1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/849,021
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,456
; FILING DATE: 28 NOVEMBER 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: FLOYD, LINDA AXAMETHY
; REGISTRATION NUMBER: 33,692
; REFERENCE/DOCKET NUMBER: BB-1064-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-8112
; TELEFAX: 302-992-7949
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-849-021-16

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 71 GCACACGACACACAC 84

Db 3 GCACACACACAC 16

RESULT 410

US-08-460-890A-8/c
; Sequence 8, Application US/08460890A
; Patent No. 5994109
; GENERAL INFORMATION:
; APPLICANT: Woo, Savio L.C.
; APPLICANT: Smith, Louis C.
; APPLICANT: Cristiano, Richard J.
; APPLICANT: Gottchalk, Stephen
; TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND
; TITLE OF INVENTION: METHODS OF USE
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,890A
FILING DATE: June 5, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/167,641
FILING DATE: December 14, 1993
APPLICATION NUMBER: 07/855,389
FILING DATE: March 20, 1992
APPLICATION NUMBER: PCT/US93/02725
FILING DATE: March 19, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/066
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
FEATURE:
OTHER INFORMATION: "C" stands for 5-methylcytosine
US-08-460-890A-8

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 16 AGGAGAGAGCGAG 29

Db 17 AGGAGAGAGAGAG 4

RESULT 411

US-08-167-641C-8/c
; Sequence 8, Application US/08167641C
; Patent No. 6033884
; GENERAL INFORMATION:
; APPLICANT: Woo, Savio L.C.
; APPLICANT: Smith, Louis C.
; APPLICANT: Cristiano, Richard J.
; APPLICANT: Gottchalk, Stephen
; TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND
; TITLE OF INVENTION: METHODS OF USE
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage

```
/
/
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/167,641C
/ FILING DATE: December 14, 1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 07/855,389
/ FILING DATE: March 20, 1992
/ APPLICATION NUMBER: PCT/US93/02725
/ FILING DATE: March 19, 1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 205/012
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other nucleic acid
/ FEATURE:
/ OTHER INFORMATION: "C" stands for 5-methylcytosine
/
/ US-08-167-641C-8
/
/ Query Match 0.8%; Score 12.4; DB 1; Length 17;
/ Best Local Similarity 92.9%; Pred. No. 2.7e+02;
/ Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
/
/ QY 16 AGGAGAGAGCGAG 29
/ Db 17 AGGAGAGAGAGAG 4
/
/ RESULT 412
/ US-08-985-162-220/c
/ Sequence 220, Application US/08985162
/ Patent No. 6057156
/ GENERAL INFORMATION:
/ APPLICANT: Akhtar, Saghir
/ APPLICANT: Fell, Patricia
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
/ TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
/ TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
/ TITLE OF INVENTION: FACTOR RECEPTORS
/ NUMBER OF SEQUENCES: 1877
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/985,162
/ FILING DATE: 04 December 1997
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 221:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/
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/
/
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 220:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/
/ US-08-985-162-220
/
/ Query Match 0.8%; Score 12.4; DB 1; Length 17;
/ Best Local Similarity 92.9%; Pred. No. 2.7e+02;
/ Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
/
/ QY 348 TCTCCAGAAACTCC 361
/ Db 17 TCTCCAGAAACTCC 4
/
/ RESULT 413
/ US-08-985-162-221/c
/ Sequence 221, Application US/08985162
/ Patent No. 6057156
/ GENERAL INFORMATION:
/ APPLICANT: Akhtar, Saghir
/ APPLICANT: Fell, Patricia
/ APPLICANT: McSwiggen, James
/ TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
/ TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
/ TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
/ TITLE OF INVENTION: FACTOR RECEPTORS
/ NUMBER OF SEQUENCES: 1877
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: FastSeq for Windows 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/985,162
/ FILING DATE: 04 December 1997
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/036,476
/ FILING DATE: 31 January 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 230/107
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 221:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/
```

```
/
US-08-985-162-221
    TOPOLOGY: linear
    Query Match          0.8%; Score 12.4; DB 1; Length 17;
    Best Local Similarity 92.9%; Pred. No. 2.7e+02;
    Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 348 TCTCCAGAAATCC 361
DB 16 TCTCCACAATCC 3

RESULT 414
US-08-779-916A-77/c
; Sequence 77, Application US/08779916A
; Patent No. 6063567
; GENERAL INFORMATION:
; APPLICANT: Gallie, Brenda L.
; APPLICANT: Dunn, James M.
; APPLICANT: Stevens, John K.
; TITLE OF INVENTION: Method, Reagents and Kit for Diagnosis
; TITLE OF INVENTION: and Targeted Screening for Retinoblastoma
; NUMBER OF SEQUENCES: 123
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Oppedahl & Larson
; STREET: 1992 Commerce Street, Suite 309
; CITY: Yorktown Heights
; STATE: NY
; COUNTRY: USA
; ZIP: 10598-4412
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS 5.0
; SOFTWARE: Word Perfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,916A
; FILING DATE: 07-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/271,942
; FILING DATE: 08-JUL-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Marina T. Larson
; REGISTRATION NUMBER: 32,038
; REFERENCE/DOCKET NUMBER: VGEN.P-003-US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 245-3252
; TELEFAX: (914) 962-4330
; TELEX:
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; NAME/KEY: primer for exon 1 of human RB1 gene
US-08-779-916A-77

Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1323 CGCCCGCGGCTCAG 1336
DB |||||

TOPOLOGY: linear
Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 182 GTCTCTGCTCTCTC 195
DB 4 GCCCUGGCUCCUC 17

TOPOLOGY: linear
Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1550 GCCGGCGGAGGGGC 1563
DB 16 GCCGGCGGAGGGGC 3

RESULT 416
US-08-998-099-47
; Sequence 47, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-10

Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1550 GCCGGCGGAGGGGC 1563
DB 16 GCCGGCGGAGGGGC 3

RESULT 416
US-08-998-099-47
; Sequence 47, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 47
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-47

Query Match          0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 182 GTCTCTGCTCTCTC 195
DB 4 GCCCUGGCUCCUC 17
```

RESULT 417
US-08-998-099-48
; Sequence 48, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 48
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-48

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 64.3%; Pred. No. 2.7e+02;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
QY 182 GTCTGTCCTCCTC 195
DB 1 GCCCGGCUCCUC 14

RESULT 418
US-08-998-099-75/c
; Sequence 75, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 75
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-75

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 476 TTGGCCATCTCGGT 489
DB 14 TTGGCAATCTCGGT 1

RESULT 419
US-08-998-099-120
; Sequence 120, Application US/08998099A
; Patent No. 6103890
; GENERAL INFORMATION:
; APPLICANT: JARVIS, THALE
; APPLICANT: MCSWIGGEN, JAMES A.
; APPLICANT: STINCHCOMB, DAN T.
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS
; FILE REFERENCE: 231/175
; CURRENT APPLICATION NUMBER: US/08/998,099A
; CURRENT FILING DATE: 1997-12-24
; EARLIER APPLICATION NUMBER: 60/037,658
; EARLIER FILING DATE: 1997-01-23
; EARLIER APPLICATION NUMBER: 08/373,124
; EARLIER FILING DATE: 1995-01-13
; EARLIER APPLICATION NUMBER: 08/245,466
; EARLIER FILING DATE: 1994-05-18
; NUMBER OF SEQ ID NOS: 375
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 120
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-120

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 71.4%; Pred. No. 2.7e+02;
Matches 10; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
QY 1453 GTACTCGCAGCTGC 1466
DB 4 GUACUCCAGCUGC 17

RESULT 420
US-08-460-971A-8/c
; Sequence 8, Application US/08460971A
; Patent No. 6150168
; GENERAL INFORMATION:
; APPLICANT: Woo, Savio L.C.
; APPLICANT: Smith, Louis C.
; APPLICANT: Cristiano, Richard J.
; APPLICANT: Gottchalk, Stephen
; TITLE OF INVENTION: NUCLEIC ACID TRANSPORTER SYSTEMS AND
; TITLE OF INVENTION: METHODS OF USE
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2056
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/460,971A
; FILING DATE: June 5, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/167,641
; FILING DATE: December 14, 1993
; APPLICATION NUMBER: 07/855,389
; FILING DATE: March 20, 1992
; APPLICATION NUMBER: PCT/US93/02725

: FILING DATE: March 19, 1993
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Warburg, Richard J.
 : REGISTRATION NUMBER: 32,327
 : REFERENCE/DOCKET NUMBER: 212/063
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (213) 489-1600
 : TELEFAX: (213) 955-0440
 : TRILEX: 67-3510

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/ INDEX: 077310
/ INFORMATION FOR SEQ ID NO: 8:
/     SEQUENCE CHARACTERISTICS:
/     LENGTH: 17 base pairs
/     TYPE: nucleic acid
/     STRANDEDNESS: single
/     TOPOLOGY: linear
/     MOLECULE TYPE: Other nucleic acid
/     FEATURE:

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OTHER INFORMATION: "C" stands for 5-methylcytosine
US-08-460-971A-8

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Query Match      0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. NO. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Qy 16 AGGGAGAGAGCGAG 29
|||
Db 17 AGGGAGAGAGAGAG 4

TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
FEATURE:
OTHER INFORMATION: "C" stands for 5-methylcytosine
US-08-469,040-R

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels

Qy . 16 AGGGAGAGAGCGAG 29
|||
Db 17 AGGGAGAGAGAGAG 4

RESULT 422
US-08-476-423A-27/c
; Sequence 27, Application US/08476423A

```

RESULT 422
US-08-476-423A-27/c
; Sequence 27, Application US/08476423A
; Patent No. 6221661
; GENERAL INFORMATION:
; APPLICANT: Hampel, Arnold E.
; APPLICANT: Tritz, Richard H.
; TITLE OF INVENTION: RNA CATALYST FOR CLEAVING SPECIFIC RNA SEQUENCES
; NUMBER OF SEQUENCES: 90
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York

```

```

, , COUNTRY: United States Of
, , ZIP: 10036
, ,
, , COMPUTER READABLE FORM:
, , MEDIUM TYPE: Floppy disk
, , COMPUTER: IBM PC compatib
, , OPERATING SYSTEM: PC-DOS/4
, , SOFTWARE: Patent In Releas
, , CURRENT APPLICATION DATA:

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Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels

RESULT 423
US-08-584-040-5410/c

; Sequence 5410, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 5410:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-5410

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 483 TCTCGGTGATGAAC 496
|||||
Db 16 TCTCGGTGATGAC 3

RESULT 424
US-09-474-432B-599
; Sequence 599, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleo

; FILE REFERENCE: MEHB00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 599
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-474-432B-599

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCGAGGCGAGCCAGC 14
|||||
Db 4 GCGAGGCGAGCCAGC 17

RESULT 425
US-09-474-432B-697/c
; Sequence 697, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MEHB00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 697
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
; US-09-474-432B-697

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1301 CACGCGTCTCTGGC 1314
|||||
Db 15 CACGCACTCTCTGGC 2

RESULT 426
US-09-474-432B-758
; Sequence 758, Application US/09474432B

; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MBH00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 758
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-758

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 78.6%; Pred. No. 2.7e+02;
Matches 11; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 759 CCACGGTGACCTG 772
|||||:|:|:
DB 4 CCACGGUGACGUG 17

RESULT 427
US-09-474-432B-818
; Sequence 818, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
; FILE REFERENCE: MBH00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 818
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-818

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 245 AAGAGGAGGCACCC 258
|||||:|:|:
DB 1 AAGAGGAGGCACCC 14

RESULT 428
US-09-371-772B-2309/c
; Sequence 2309, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2309
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-2309

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 483 TCTCGGTGATGAAC 496
|||||:|:|:
DB 16 TCTCGGTGATGTAC 3

RESULT 429
US-09-371-772B-4193
; Sequence 4193, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; FILE REFERENCE: MBH00-876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4193
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4193

Query Match 0.8%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 2.7e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1164 GCGAGGAGCGCG 1177
| | | | | | | | | |
Db 3 GCGAGGAGCGCG 16

RESULT 430

US-09-371-772B-4965/c
; Sequence 4965, Application US/09371772B
; Patent No. 6566127

GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Pavco, Pam

; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; FILE REFERENCE: MEHB00.876-J (237/198)

; CURRENT APPLICATION NUMBER: US/09/371,772B

; CURRENT FILING DATE: 1999-08-10

; PRIOR APPLICATION NUMBER: US 60/005,974

; PRIOR FILING DATE: 1995-10-26

; PRIOR APPLICATION NUMBER: US 08/584,040

; PRIOR FILING DATE: 1996-01-08

; NUMBER OF SEQ ID NOS: 14225

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4965

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-371-772B-4965

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 2.7e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1530 AGTCAGCTGAAGC 1543
| | | | | | | | | |
Db 17 AGTCAGCTGAAGC 4

RESULT 431

US-09-371-772B-4966/c
; Sequence 4966, Application US/09371772B
; Patent No. 6566127

GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Pavco, Pam

; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; FILE REFERENCE: MEHB00.876-J (237/198)

; CURRENT APPLICATION NUMBER: US/09/371,772B

; CURRENT FILING DATE: 1999-08-10

; PRIOR APPLICATION NUMBER: US 60/005,974

; PRIOR FILING DATE: 1995-10-26

; PRIOR APPLICATION NUMBER: US 08/584,040

; PRIOR FILING DATE: 1996-01-08

; NUMBER OF SEQ ID NOS: 14225

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4966

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-371-772B-4966

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 2.7e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1530 AGTCAGCTGAAGC 1543
| | | | | | | | | |
Db 15 AGTCAGCTGAAGC 2

RESULT 432

US-09-371-772B-4967/c
; Sequence 4967, Application US/09371772B
; Patent No. 6566127

GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Pavco, Pam

; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; FILE REFERENCE: MEHB00.876-J (237/198)

; CURRENT APPLICATION NUMBER: US/09/371,772B

; CURRENT FILING DATE: 1999-08-10

; PRIOR APPLICATION NUMBER: US 60/005,974

; PRIOR FILING DATE: 1995-10-26

; PRIOR APPLICATION NUMBER: US 08/584,040

; PRIOR FILING DATE: 1996-01-08

; NUMBER OF SEQ ID NOS: 14225

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4967

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-371-772B-4967

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 92.9%; Pred. No. 2.7e+02;

Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1530 AGTCAGCTGAAGC 1543
| | | | | | | | | |
Db 14 AGTCAGCTGAAGC 1

RESULT 433

US-09-371-772B-6383
; Sequence 6383, Application US/09371772B
; Patent No. 6566127

GENERAL INFORMATION:

; APPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Pavco, Pam

; APPLICANT: McSwiggen, Jim

; APPLICANT: Stinchcomb, Dan

; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

; FILE REFERENCE: MEHB00.876-J (237/198)

; CURRENT APPLICATION NUMBER: US/09/371,772B

; CURRENT FILING DATE: 1999-08-10

; PRIOR APPLICATION NUMBER: US 60/005,974

; PRIOR FILING DATE: 1995-10-26

; PRIOR APPLICATION NUMBER: US 08/584,040

; PRIOR FILING DATE: 1996-01-08

; NUMBER OF SEQ ID NOS: 14225

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 6383

; LENGTH: 17

; TYPE: RNA

; ORGANISM: Homo sapiens

US-09-371-772B-6383

Query Match 0.8%; Score 12.4; DB 1; Length 17;

Best Local Similarity 64.3%; Pred. No. 2.7e+02;

Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

```

; GENERAL INFORMATION:
; APPLICANT: Schalling, Martin
; APPLICANT: Hudson, Thomas J.
; APPLICANT: Housman, David E.
; TITLE OF INVENTION: Direct Determination of Expanded
; TITLE OF INVENTION: Nucleotide Repeats in the Human Genome
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/068,747
; FILING DATE: 28-MAY-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: MIT-6141
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "Synthetic"
US-08-068-747-2

Query Match      0.8%   Score 12.4; DB 1; Length 30;
Best Local Similarity 63.3%; Pref No. 6.3e+02;
Matches 19; Conservative 0; Mismatches 11; Indels

QY    1410 CTGCGACGCTCGGGGTGCGGGGCCACC G 1439
Db     1 CGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 30

RESULT 436
US-08-127-954-8/c
; Sequence 8, Application US/08127954
; Patent No. 5451512
; GENERAL INFORMATION:
; APPLICANT: Apple, Raymond J.
; APPLICANT: Bugawan, Teodorica L.
; APPLICANT: Erlich, Henry A.
; TITLE OF INVENTION: Methods and Reagents for HLA Class I A
; TITLE OF INVENTION: Locus DNA Typing
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

```

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/ APPLICATION NUMBER: US/08/127,954
/ FILING DATE:
/ CLASSIFICATION: 436
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Petry, Douglas A.
/ REGISTRATION NUMBER: 35,321
/ REFERENCE/DOCKET NUMBER: 8873
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 814-2974
/ TELEFAX: (510) 814-2977
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
US-08-127-954-8

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 33 GCGAGCCGCGAGCGAGGA 49
Db 17 GCGAGCCGCGAGGATGGA 1

RESULT 437
US-08-196-538-15/c
; Sequence 15, Application US/08196538
; Patent No. 5639608
; GENERAL INFORMATION:
; APPLICANT: Stanley Tabor
; APPLICANT: Charles C. Richardson
; TITLE OF INVENTION: USE OF SHORT OLIGONUCLEOTIDES AS PRIMERS
; TITLE OF INVENTION: FOR DNA SEQUENCING
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/196,538
; FILING DATE: February 14, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/985,468
; FILING DATE: December 13, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 206/090
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-196-538-15
```

```
/ APPLICATION NUMBER: US/08/233,030
/ FILING DATE:
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 197/240
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ INFORMATION FOR SEQ ID NO: 48:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
US-08-233-030-48

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1556 GGAGGGGCGCGGAGGG 1572
Db 1 GGUGGGGCGCGGACGG 17

RESULT 439
US-08-373-124A-1477
; Sequence 1477, Application US/08373124A
; Patent No. 5646042
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
```



```
/ FILING DATE: September 18, 1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 200/209
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 30:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-623-891-30

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1549 GGC CGCGGGGAGGCGGC 1565
Db 17 GGC CGCGGGGAGGCGGC 1

RESULT 442
US-08-758-306-11
; Sequence 11, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-457/c

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 15 GAGGCGAGAGGAGCGCG 31
Db 17 GAGGCGAGAGGAGCGCG 1

RESULT 444
US-08-758-306-457/c

/ FILING DATE: September 18, 1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 200/209
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 30:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-758-306-455/c

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.9e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 128 GAAGTCATCATGTTCCAT 144
Db 1 GAAGCCAUAUACCAU 17

RESULT 443
US-08-758-306-455/c
; Sequence 455, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 455:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-455
```

```
; Sequence 457, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 457:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-457

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e-02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGA 28
Db 17 AGCGAGGAGAGAGCGA 1

RESULT 446
US-08-758-306-463/c
; Sequence 463, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996

QY 13 GCGAGGAGAGAGCGAG 29
Db 17 GCGAGGAGAGAGCGAG 1

RESULT 445
US-08-758-306-459/c
; Sequence 459, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
```

```
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 463:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-463

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 41 GAGCGAGGAGGGAAG 57
Db 17 GAGGAGGAGGGAAG 1

RESULT 447
US-08-758-306-811/c
; Sequence 811, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES
; TITLE OF INVENTION: ASSOCIATED WITH
; TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
; TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
; NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/758,306
; FILING DATE: December 3, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 212/132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 811:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-811
```

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; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-758-306-811

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 426 CCGGAGCGGACAGGCTG 442
Db 17 CCCAGTGGACAGGCTG 1

RESULT 448
US-08-435-628-1477
; Sequence 1477, Application US/08435628
; Patent No. 5817796
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,628
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,124
; FILING DATE: January 13, 1995
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1477:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-435-628-1477
```

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.9e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1205 GGCACCAATTCATCAAA 1221
Db 1 GGCACCAUUCUGGACAA 17

RESULT 449

US-08-173-489C-96/C
; Sequence 96, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEPBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993

CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436

FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.

REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6

TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959

INFORMATION FOR SEQ ID NO: 96:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 bases

TYPE: nucleic acid
; STRANDEDNESS: single stranded
; TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid
; DESCRIPTION: third strand derived from superoxide
; DESCRIPTION: dismutase sequence region in Seq ID No. 586124495

HYPOTHETICAL: yes
; ANTI-SENSE: no
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 96 :FROM 1 TO 17

US-08-173-489C-96

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1558 AGGGGCGCGGAGGGG 1574
Db 17 AGGGGCGCGGAGGGG 1

RESULT 450

US-08-849-021-3
; Sequence 3, Application US/08849021
; Patent No. 5955276

GENERAL INFORMATION:
; APPLICANT: MORGANTE, MICHELE
; APPLICANT: VOGEL, JULIE M.
; TITLE OF INVENTION: COMPOUND MICROSATELLITE
; TITLE OF INVENTION: PRIMERS FOR THE
; TITLE OF INVENTION: DETECTION OF GENETIC
; TITLE OF INVENTION: POLYMORPHISMS
; NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DU PONT DE NEMOURS AND
; ADDRESSEE: COMPANY
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: U.S.A.
; ZIP: 19898

COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PATENT IN-RELEASE #1.0, VERSION 1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/849,021
; FILING DATE:
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,456
; FILING DATE: 28 NOVEMBER 1994

ATTORNEY/AGENT INFORMATION:
; NAME: FLOYD, LINDA AXAMETHY

REGISTRATION NUMBER: 33,692
; REFERENCE/DOCKET NUMBER: BB-1064-A

TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-8112
; TELEFAX: 302-992-7949

INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid

STRANDEDNESS: single
; TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
; US-08-849-021-3

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 12 AGGAGGAGAGAGCGCA 28
Db 1 AGAGAGAGAGAGAGAGA 17

RESULT 451

US-08-849-021-4
; Sequence 4, Application US/08849021
; Patent No. 5955276
; GENERAL INFORMATION:
; APPLICANT: MORGANTE, MICHELE

APPLICANT: VOGEL, JULIE M.
; TITLE OF INVENTION: COMPOUND MICROSATELLITE
; TITLE OF INVENTION: PRIMERS FOR THE
; TITLE OF INVENTION: DETECTION OF GENETIC
; TITLE OF INVENTION: POLYMORPHISMS

NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DU PONT DE NEMOURS AND
; ADDRESSEE: COMPANY

STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: U.S.A.
; ZIP: 19898

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENT IN RELEASE #1.0, VERSION 1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,021
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/346,456
FILING DATE: 28 NOVEMBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: FLOYD, LINDA AXAMETHY
REGISTRATION NUMBER: 33,692
REFERENCE/DOCKET NUMBER: BB-1064-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-992-8112
TELEFAX: 302-992-7949
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-849-021-4

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 13 GCGAGGAGAGAGCGAG 29
DB 1 GAGAGAGAGAGAGAG 17

RESULT 452
US-08-849-021-5/c
Sequence 5, Application US/08849021
Patent No. 5955276
GENERAL INFORMATION:
APPLICANT: MORGANTE, MICHELE
APPLICANT: VOGEL, JULIE M.
TITLE OF INVENTION: COMPOUND MICROSATELLITE
TITLE OF INVENTION: PRIMERS FOR THE
TITLE OF INVENTION: DETECTION OF GENETIC
TITLE OF INVENTION: POLYMORPHISMS
NUMBER OF SEQUENCES: 89
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS AND
ADDRESSEE: COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: U.S.A.
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENT IN RELEASE #1.0, VERSION 1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,021
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/346,456
FILING DATE: 28 NOVEMBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: FLOYD, LINDA AXAMETHY
REGISTRATION NUMBER: 33,692
REFERENCE/DOCKET NUMBER: BB-1064-A

TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-892-8112
TELEFAX: 302-992-7949
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-849-021-5

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 12 AGCGAGGAGAGAGCGA 28
DB 17 AGAGAGAGAGAGAGAGA 1

RESULT 453
US-08-849-021-6/c
Sequence 6, Application US/08849021
Patent No. 5955276
GENERAL INFORMATION:
APPLICANT: MORGANTE, MICHELE
APPLICANT: VOGEL, JULIE M.
TITLE OF INVENTION: COMPOUND MICROSATELLITE
TITLE OF INVENTION: PRIMERS FOR THE
TITLE OF INVENTION: DETECTION OF GENETIC
TITLE OF INVENTION: POLYMORPHISMS
NUMBER OF SEQUENCES: 89
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS AND
ADDRESSEE: COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: U.S.A.
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENT IN RELEASE #1.0, VERSION 1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,021
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/346,456
FILING DATE: 28 NOVEMBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: FLOYD, LINDA AXAMETHY
REGISTRATION NUMBER: 33,692
REFERENCE/DOCKET NUMBER: BB-1064-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-892-8112
TELEFAX: 302-992-7949
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-849-021-6

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 13 GCGAGGAGAGAGCGAG 29
Db 17 GAGAGAGAGAGAGAG 1

RESULT 454

US-08-985-162-553/c
; Sequence 553, Application US/08985162
; Patent No. 6057156

GENERAL INFORMATION:

APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricia

APPLICANT: McSwiggen, James

TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT

TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED

TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH

TITLE OF INVENTION: FACTOR RECEPTORS

NUMBER OF SEQUENCES: 1877

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSeq for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/985,162

FILING DATE: 04 December 1997

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/036,476

FILING DATE: 31 January 1997

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 230/107

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 553:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-985-162-553

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.9e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 891 GCGCCCAAGAGGCTTC 907

Db 17 GCGCCCAAGAGGCTTC 1

RESULT 455

US-08-985-162-554/c

; Sequence 554, Application US/08985162

; Patent No. 6057156

GENERAL INFORMATION:

APPLICANT: Akhtar, Saghir

APPLICANT: Fell, Patricia

APPLICANT: McSwiggen, James

TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT

TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED

TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH

TITLE OF INVENTION: FACTOR RECEPTORS

NUMBER OF SEQUENCES: 1877

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSeq for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/985,162

FILING DATE: 04 December 1997

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/036,476

FILING DATE: 31 January 1997

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 230/107

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 554:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-985-162-554

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.9e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 890 GCGCCCAAGAGGCTTC 906

Db 17 GCGCCCAAGAGGCTTC 1

RESULT 456

US-08-388-029A-4

; Sequence 4, Application US/08388029A

; Patent No. 6110665

GENERAL INFORMATION:

APPLICANT: FENGER, CLARA K.

APPLICANT: GRANSTROM, DAVID R.

APPLICANT: GAYADHAR, ALVIN A.

TITLE OF INVENTION: SARCOCYSTIS NEURONA DIAGNOSTIC PRIMER

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:

ADDRESSEE: LOWE, PRICE, LEBLANC & BECKER

STREET: 99 CANAL CENTER PLAZA, SUITE 300

CITY: ALEXANDRIA

STATE: VIRGINIA

COUNTRY: US

ZIP: 22314

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

```

; APPLICATION NUMBER: US/08/388,029A
; FILING DATE: 14-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PRICE, ROBERT L.
; REGISTRATION NUMBER: 22,685
; REFERENCE/DOCKET NUMBER: 434-046
; TELEPHONE: 703-684-1111
; TELEFAX: 703-684-1124
; TELEX: AMERPAT
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-388-029A-4

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 503 CCAGGAGTGAACCTGCG 519
Db 1 CCAGGCGTGGAGCTGCG 17

RESULT 457
US-08-974-549A-478/c
; Sequence 478, Application US/08974549A
; Patent No. 6166178
; GENERAL INFORMATION:
; APPLICANT: Cech, Thomas R.
; APPLICANT: Lingner, Joachim
; APPLICANT: Nakamura, Toru
; APPLICANT: Chapman, Karen B.
; APPLICANT: Morin, Gregg B.
; APPLICANT: Harley, Calvin B.
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Human Telomerase Catalytic Subunit
; NUMBER OF SEQUENCES: 727
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,549A
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/724,643
; FILING DATE: 01-OCT-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/844,419
; FILING DATE: 18-APR-1997
; APPLICATION NUMBER: US 08/846,017
; FILING DATE: 25-APR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
;
; APPLICATION NUMBER: US 08/854,050
; FILING DATE: 09-MAY-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/911,312
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/912,951
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/915,503
; FILING DATE: 14-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17618
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US97/17885
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Apple, Randolph Ted
; REGISTRATION NUMBER: 36,429
; REFERENCE/DOCKET NUMBER: 015389-002610US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 478:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..17
; OTHER INFORMATION: /note= "Naml primer"
; US-08-974-549A-478

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1362 GGGACCGCGGGGGCGGC 1378
Db 17 GGCATCGCGGGGGTGGC 1

RESULT 458
US-08-906-517-57
; Sequence 57, Application US/08906517
; Patent No. 6180774
; GENERAL INFORMATION:
; APPLICANT: Brown, Sherri M.
; APPLICANT: Dean, Duff A.
; APPLICANT: Fromm, Michael E.
; APPLICANT: Sanders, Patricia R.
; TITLE OF INVENTION: Synthetic DNA Sequences Having Enhanced
; TITLE OF INVENTION: Expression in Monocotyledonous Plants and Method For
; TITLE OF INVENTION: Preparation Thereof
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/851,843
; FILING DATE: 06-MAY-1997
```

APPLICATION NUMBER: US/08/906,517
FILING DATE: Concurrently Herewith
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: MOST:170
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-418-3000
TELEFAX: 512-474-7577
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRAINEDNESS: single
TOPOLOGY: linear
US-08-906-517-57

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1225 GGTGCTGGCTCGTCT 1241
DB 1 GCGCTGGCTTCTCT 17

RESULT 459

US-09-040-774-4/c
Sequence 4, Application US/09040774
Patent No. 6207811
GENERAL INFORMATION:
APPLICANT: Tryggyvason, Karl
APPLICANT: Kestila, Marjo
APPLICANT: Lenkari, Ulla
APPLICANT: Mannikko, Minna
TITLE OF INVENTION: Nephin Gene and Protein
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
STREET: 300 S. Wacker Drive, Suite 3200
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/040,774
FILING DATE: 18 MAR 1998
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Chao, Mark
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 97,842
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312)913-0001
TELEFAX: (312)913-0002
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRAINEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer intron 2"
US-09-040-774-4

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 319 AGCGCCAGCGGAAGT 335
DB 17 AGCCACCGCGGAAGCT 1

RESULT 460

US-09-324-867-61
Sequence 61, Application US/09324867A
Patent No. 6251632
GENERAL INFORMATION:
APPLICANT: Lillcrap, David
APPLICANT: Cameron, Cherie
APPLICANT: No. 6251632ley, Colleen
APPLICANT: Horrocks, L. Suzanne Hoyle
APPLICANT: Hough, Christine
TITLE OF INVENTION: Canine Factor VIII Gene, Protein and Methods of Use
FILE REFERENCE: 1669.0010002/JAG/BJD
CURRENT APPLICATION NUMBER: US/09/324,867A
CURRENT FILING DATE: 1999-06-03
EARLIER APPLICATION NUMBER: 09/035,141
EARLIER FILING DATE: 1998-03-059
EARLIER APPLICATION NUMBER: 60/039,953
EARLIER FILING DATE: 1997-03-06
NUMBER OF SEQ ID NOS: 63
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 61
LENGTH: 17
TYPE: DNA
ORGANISM: Synthetic oligonucleotide
US-09-324-867-61

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 714 AGAAGTCGGTGGCGGC 730
DB 1 AGACCTGCTGTGGCC 17

RESULT 461

US-08-881-450A-6
Sequence 6, Application US/08881450A
Patent No. 6274310
GENERAL INFORMATION:
APPLICANT: Habener, J.F. and Stoffers, D.A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
TITLE OF INVENTION: PANCREATIC DISEASE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Witcoff, Inc.
STREET: One Financial Center
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,450A
FILING DATE: June 24, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Kathleen M. Williams
REGISTRATION NUMBER: 34,380

REFERENCE/DOCKET NUMBER: 11275/7823

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-345-9100

TELEFAX: 617-345-9111

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 nucleotides

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

FEATURE:

NAME/KEY: primer S17b

US-08-881-450A-6

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 24 AGCGAGCGGGCGAGCGG 40

Db 1 AGCGAGCGGGGAGCGG 17

RESULT 462

US-09-017-974-79/c

Sequence 79, Application US/09017974

Patent No. 6288042

GENERAL INFORMATION:

APPLICANT: Rando, Robert F.

APPLICANT: Ojwang, Joshua O.

APPLICANT: Hogan, Michael E.

APPLICANT: Wallace, Thomas L.

APPLICANT: Cossum, Paul A.

TITLE OF INVENTION: Anti-Viral Guanosine-Rich

TITLE OF INVENTION: Tetrad Forming Oligonucleotides

NUMBER OF SEQUENCES: 88

CORRESPONDENCE ADDRESS:

ADDRESSEE: Conley, Rose & Tayon, P.C.

STREET: 600 Travis, Suite 1800

CITY: Houston

STATE: Texas

COUNTRY: U.S.A.

ZIP: 77002-2912

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: MS Word 97 (saved as .txt file)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/017,974

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/037,374

FILING DATE: 04-FEB-97

APPLICATION NUMBER:

FILING DATE: 09-DEC-97

ATTORNEY/AGENT INFORMATION:

NAME: McDaniel, C. Steven

REGISTRATION NUMBER: 33,962

REFERENCE/DOCKET NUMBER: 1472-06223

TELECOMMUNICATION INFORMATION:

TELEPHONE: 713/238-8010

TELEFAX: 713/238-8008

INFORMATION FOR SEQ ID NO: 79:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-09-017-974-79

Query Match

Best Local Similarity 82.4%; Pred. No. 2.9e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Query Match 0.8%; Score 12.2; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 2.9e+02;

Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 75 AGCGACACACCGCGCG 91

Db 17 ACCGACCCCGCGCAC 1

RESULT 463

US-08-682-255A-79/c

Sequence 79, Application US/08682255A

Patent No. 6323185

GENERAL INFORMATION:

APPLICANT: Rando, Robert F.

APPLICANT: Fennwald, Susan

APPLICANT: Zendequi, Joseph G.

APPLICANT: Ojwang, Joshua O.

APPLICANT: Hogan, Michael E.

APPLICANT: Pommier, Yves

APPLICANT: Mazunder, Abhijit

TITLE OF INVENTION: Anti-Viral Guanosine-Rich

TITLE OF INVENTION: Oligonucleotides

NUMBER OF SEQUENCES: 87

CORRESPONDENCE ADDRESS:

ADDRESSEE: Conley, Rose & Tayon, P.C.

STREET: 600 Travis, Suite 1850

CITY: Houston

STATE: Texas

COUNTRY: U.S.A.

ZIP: 77002-2912

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: MS Windows 95

SOFTWARE: MS Word 97 (saved as .txt file)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/682,255A

FILING DATE: 17-JULY-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/535,168

FILING DATE: 23-OCT-95

APPLICATION NUMBER: 60/001,505

FILING DATE: 19-JULY-95

APPLICATION NUMBER: 60/014,007

FILING DATE: 25-MARCH-96

APPLICATION NUMBER: 60/013,688

FILING DATE: 19-MARCH-96

APPLICATION NUMBER: 60/015,714

FILING DATE: 17-APRIL-96

APPLICATION NUMBER: 60/016,271

FILING DATE: 23-APRIL-96

ATTORNEY/AGENT INFORMATION:

NAME: McDaniel, C. Steven

REGISTRATION NUMBER: 33,962

REFERENCE/DOCKET NUMBER: 1472-06214

TELECOMMUNICATION INFORMATION:

TELEPHONE: 713/238-8010

TELEFAX: 713/238-8008

INFORMATION FOR SEQ ID NO: 79:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-682-255A-79

```

QY      75  ACGCACACCGCGGC 91
Db      17  ACCACCCACCGGCAC 1

RESULT 464
US-08-584-040-1471/c
; Sequence 1471, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 1471:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-584-040-1471

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      978  CGCACACGACTCGGC 994
Db      17  CGGCCAACGACCGGC 1

RESULT 465
US-08-584-040-3972
; Sequence 3972, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela

```

```

; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3972:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-584-040-3972

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 2.9e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY      1449  ACTGGTACTCGCAGCTG 1465
Db      1  ACUGUAUUGGCAGUUG 17

RESULT 466
US-08-584-040-3997/c
; Sequence 3997, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street

```



```
;
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 7232:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-7232
;
; Query Match
; Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
; Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
;
; Db
; 734 TCGGAGGCTGCTCC 750
; 1 UCGGUGUCGUCUC 17
;
; RESULT 469
; US-08-679-645-70
; Sequence 70, Application US/08679645
; Patent No. 6350934
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
; TITLE OF INVENTION: IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/679,645
; FILING DATE: July 12, 1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 70:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-679-645-218
;
; Query Match
; Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
; Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
;
; Db
; 1364 GACCGCGGCGCGCG 1380
; 1 GACGGGCGCGCGCG 17
;
; RESULT 470
; US-08-679-645-218
; Sequence 218, Application US/08679645
; Patent No. 6350934
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
; TITLE OF INVENTION: IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/679,645
; FILING DATE: July 12, 1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 218:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-679-645-218
;
; Query Match
; Best Local Similarity 0.8%; Score 12.2; DB 1; Length 17;
; Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
```

```

Qy      1015 CTCGGGCTCGGGCGCG 1031
          ||| ||| ||| ||| |||
Db      1 CUCAGCCUCGGGCGCG 17

```

RESULT 471
US-08-679-645-220
Sequence 120, Application US/08679645
Patent No. 6350934
GENERAL INFORMATION:
APPLICANT: Zwick, Michael G.
APPLICANT: Edington, Brent E.
APPLICANT: MCSwiggan, James A.
APPLICANT: Merlo, Patricia Ann Owens
APPLICANT: Guo, Lining
APPLICANT: Skokut, Thomas A.
APPLICANT: Young, Scott A.
APPLICANT: Folkerts, Otto
APPLICANT: Merlo, Donald J.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
IN PLANTS
NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:

```
Query Match      0.8%;      Score 12.2;      DB 1;      Length 17;
Best Local Similarity 82.4%;      Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels
```

Qy 1367 CGCGGGCGCGCGCG 1383
Db 1 CUCGGGUCGCGCGCG 17

RESULT 472
US-08-679-645-220/c

```

/ Sequence 220, Application US/08679645
/ Patent No. 6350934
/ GENERAL INFORMATION:
/ APPLICANT: Zwick, Michael G.
/ APPLICANT: Edington, Brent E.
/ APPLICANT: McSwiggen, James A.
/ APPLICANT: Merlo, Patricia Ann Owens
/ APPLICANT: Guo, Lining
/ APPLICANT: Skokut, Thomas A.
/ APPLICANT: Young, Scott A.
/ APPLICANT: Folkerts, Otto
/ APPLICANT: Merlo, Donald J.
/ TITLE OF INVENTION: COMPOSITION AND METHOD
/ TITLE OF INVENTION: MODULATION OF GENES
/ TITLE OF INVENTION: IN PLANTS
/ NUMBER OF SEQUENCES: 1263
/ CORRESPONDENCE ADDRESSES:
/ ADDRESS: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ SUITE: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071-2066
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 MB
/ MEDIUM TYPE: Compact
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/679,645
/ FILING DATE: July 12, 1996
/ CLASSIFICATION: 800
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/001,135
/ FILING DATE: July 13, 1995
/ APPLICATION NUMBER: 08/300,726
/ FILING DATE: September 2, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard J.
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 219/247
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 220:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 17 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-679-645-220

```

```
Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels
```

Qy 993 CCACCGGGAGCCCGAG 1009
Db 17 CCGCCGGCGACCCCGAG 1

RESULT 473
US-08-679-645-692
US-08-679-645-692
; Patent No. 6350934
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann
; APPLICANT: Owens, William

GENERAL INFORMATION:
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HERPES SIMPLEX
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 115
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 611 West Sixth Street
CITY: Los Angeles
STATE: California

```

; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/340,861
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,133
; FILING DATE:
; APPLICATION NUMBER: 07/882,921
; FILING DATE: May 14, 1992
; APPLICATION NUMBER: 07/948,359
; FILING DATE: September 18, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 200/209
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-340-861-30

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1549 GGCGGGGGAGGGGGCGC 1565
Db 17 GGCGGGGGAGGGGGCGC 1

RESULT 476
US-09-634-262-30/c
; Sequence 30, Application US/09634262
; Patent No. 6440719
; GENERAL INFORMATION:
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HERPES SIMPLEX
; NUMBER OF SEQUENCES: 115
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/634,262
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,133
; FILING DATE:
; APPLICATION NUMBER: 07/882,921

```

```

; FILING DATE: May 14, 1992
; APPLICATION NUMBER: 07/948,359
; FILING DATE: September 18, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 200/209
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-634-262-30

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1549 GGCGGGGGAGGGGGCGC 1565
Db 17 GGCGGGGGAGGGGGCGC 1

RESULT 477
US-09-343-698-1
; Sequence 1, Application US/09343698
; Patent No. 6475486
; GENERAL INFORMATION:
; APPLICANT: Seeman, Gerhard
; Bosslet, Klaus
; Czech, Joerg
; Kolar, Cenek
; Hoffman, Dieter
; Sedlacek, Hans-Harald
; TITLE OF INVENTION: Glycosyl-Etoposide Prodrugs, A Process For
; Preparation Thereof And The Use Thereof In Combination With
; Functionalized Tumor-Specific Enzyme Conjugates
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/343,698
; FILING DATE: 30-Jun-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/325,955
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Ogden, Stasia L.
; REGISTRATION NUMBER: 36,228
; REFERENCE/DOCKET NUMBER: 05552.0981-04000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs

```

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (Genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-343-698-1

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1374 GCGCGCGCGCGAGTCA 1390
DB 1 GCGCGCGCGCGGTGCA 17

RESULT 478
US-08-912-951-245/c
Sequence 245, Application US/08912951
Patent No. 6475789

GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Harley, Calvin
APPLICANT: Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
THERAPEUTIC METHODS
NUMBER OF SEQUENCES: 335
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94111

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,951
FILING DATE: 14-AUG-1997
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 245:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-912-951-245

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1362 GGCACCGCGCGCGCGC 1378
DB 17 GGCATCGCGCGGTGCG 1

RESULT 479

US-09-474-432B-319/c
Sequence 319, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpelsky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleotides
FILE REFERENCE: MEB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: Patent In version 3.0
SEQ ID NO 319
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-319

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1548 GGCACCGCGCGCGCGC 1564
DB 17 GGCACCGCGCGCGCGC 1

RESULT 480

US-09-474-432B-377
Sequence 377, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpelsky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David

APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleotides
; FILE REFERENCE: MBH00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 377
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-377

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 2.9e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 184 CCTGCTCTCTCGTGC 200

Db 1 CCUCGUCGCCCCCUCG 17

RESULT 481
US-09-474-432B-672
; Sequence 672, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleotides
; FILE REFERENCE: MBH00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 672
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-672

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.9e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 1505 CTGACCCGCTGGCAT 1521

Db 1 CUGCAAGGCGCGGCAU 17

RESULT 482

US-09-474-432B-689/c
; Sequence 689, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Beigelman, Leo
; APPLICANT: Burgin, Alex
; APPLICANT: Beaudry, Amber
; APPLICANT: Karpeisky, Alex
; APPLICANT: Adamic, Jasenka
; APPLICANT: Sweedler, David
; APPLICANT: Zinnen, Shawn
; TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleotides
; FILE REFERENCE: MBH00-831-B (247/276)
; CURRENT APPLICATION NUMBER: US/09/474,432B
; CURRENT FILING DATE: 1999-12-19
; PRIOR APPLICATION NUMBER: US 60/064,866
; PRIOR FILING DATE: 1997-11-05
; PRIOR APPLICATION NUMBER: US 60/084,727
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: US 09/186,675
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 09/301,511
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 1526
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 689
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-474-432B-689

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1256 GAGCACAGCTGGCGCA 1272

Db 17 GCGCACAGCTGGTGCA 1

RESULT 483
US-09-371-772B-16/c
; Sequence 16, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Favco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Requiring the Use of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-16

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.9e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 978 CGCACACGACTCGGCC 994

Db
17 CGGCCAACGACCGGC 1

RESULT 484

```

US-09-371-772B-1739
; Sequence 1739, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McGisgen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for
; DETECTION OF LEVELS OF VASCULAR EN
; FILE REFERENCE: MEHB00, 876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1739
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1739

```

```

Query Match      0.8%; Score 12.2; DB 1; Length 17;
Best local similarity 58.8%; Pred. No. 2.9e+02;
Matches 10; Conservative 4; Mismatches 3; Indels

QY 1449 ACTGGTACTCGCAGCTG 1465
      |||:::|::|::|
      1 ACUGGAUUGGCAGUUG 17

Db

```

RESULT 485

```

US-09-371-772B/c
; Sequence 1764, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwigen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for
; TITLE OF INVENTION: Levels of Vascular En
; FILE REFERENCE: MBH00, 876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371.772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1764
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1764

```

Query Match	0.8%	Score 12.2;	DB 1;	Length 17;
Best Local Similarity	82.4%;	Pred. No. 2.9e+02;		
Matches 14;	Conservative 0;	Mismatches 3;	Indels	
Qy	260	AAAAGCTGACCCCTTT	276	

D**b** 17 ACAAGCTGACACATT 1

RESULT 486

```

US-09-371-772B-1842
; Sequence 1842, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for
; TITLE OF INVENTION: Levels of Vascular En
; FILE REFERENCE: MEHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/594,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1842
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1842

```

```

Query Match      0.88;  Score 12.2;  DB 1;  Length 17;
Best Local Similarity 52.94;  Pred. NO. 2.9e+02;
Matches 9;  Conservative 5;  Mismatches 3;  Indels 0;  Gaps 0;

Qy      400  CATCATATTTTAAAGATG  416
      ||| : : : ||| |
Db      1  CAUUGUAUUGAAGGAUG  17

```

RESULT 487

```

US-09-371-772B-3046
; Sequence 3046, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: Mcswigen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for
; TITLE OF INVENTION: Levels of Vascular EN
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371.772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3046
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-3046

```

Query Match	0.8%	Score 12.2	DB 1	Length 17
Best Local Similarity	58.8%	Pred.No. 2.9e+04		
Matches 10	Conservative 4	Mismatches 3	Indels 0	Gaps 0
QY	734	TCGGAGGCTGCTTCCC	750	
		: : : : : : :		
Db	1	UCGGGUGUCGUCUCUC	17	

QY 541 AGATGGCCACCACTCAG 557
 . | | : | | | | | : | |
 Db 1 AATGGCCCACTCAAG 17

RESULT 492

US-09-371-772B-4608
; Sequence 4608, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggan, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Related to the Growth of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBH00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; PRIOR FILING DATE: 1999-08-10
; PRIOR FILING DATE: 1995-10-26
; PRIOR FILING DATE: 1995-10-26
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 4608
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4608

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.9e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 488 GTGATGACCACTGGCC 504
Db 1 GUGAUCACACAGUGGCC 17

RESULT 493

US-08-136-811-23/c
; Sequence 23, Application US/08136811
; Patent No. 5510239
; GENERAL INFORMATION:
; APPLICANT: Baracchini, Jr., Edgardo and Bennett,
; APPLICANT: Clarence Frank
; TITLE OF INVENTION: Oligonucleotide Interference with
; TITLE OF INVENTION: Multidrug Resistance
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/136,811
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; FILING DATE: 04/16/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0208
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-136-811-23

Query Match 0.8%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 2.9e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 488 GTGATGACCACTGGCC 504
Db 1 GUGAUCACACAGUGGCC 17

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-136-811-23

Query Match 0.8%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 4.2e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 927 AGCGCGCGGAGCGCTG 943
Db 19 AGCAGCGCGTGAGCCTG 3

RESULT 494

US-08-835-770-23/c
; Sequence 23, Application US/08835770
; Patent No. 5801154
; GENERAL INFORMATION:
; APPLICANT: Edgardo Baracchini, Jr., C. Frank Bennett
; APPLICANT: and Nicholas M. Dean
; TITLE OF INVENTION: Oligonucleotide Modulation of Multidrug
; TITLE OF INVENTION: Resistance-Associated Protein
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/835,770
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/136,811
; FILING DATE: 10/18/93
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/628,731
; FILING DATE: 04/16/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0208
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-835-770-23

Query Match 0.8%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 4.2e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 927 AGCGCGCGGAGCGCTG 943
Db 19 AGCAGCGCGTGAGCCTG 3

RESULT 495
US-08-628-731-23/c
; Sequence 23, Application US/08628731
; Patent No. 5807838
; GENERAL INFORMATION:
; APPLICANT: Baracchini, Jr., Edgardo and Bennett,
; APPLICANT: Clarence Frank
; TITLE OF INVENTION: Oligonucleotide Interference with
; TITLE OF INVENTION: Multidrug Resistance
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/628,731
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/136,811
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-628-731-23

Query Match 0.8%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 4.2e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 927 AGCGCGCGGCGCGCTG 943
Db 19 AGCAGCGCGTGAGCCTG 3

RESULT 496
US-09-484-617-41/c
; Sequence 41, Application US/09484617
; Patent No. 630374
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
; FILE REFERENCE: RTS-0103
; CURRENT APPLICATION NUMBER: US/09/484,617
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide

US-09-484-617-41
Query Match 0.8%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 4.2e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 645 CGGTGGAGGCGCGCTTC 661
Db 17 CAGTGGATGCGGACTTC 1
RESULT 497
US-07-910-867B-13/c
; Sequence 13, Application US/07910867B
; Patent No. 5597895
; GENERAL INFORMATION:
; APPLICANT: Gaynor, Richard B.
; APPLICANT: Garcia, Joseph A.
; APPLICANT: Harrich, David
; TITLE OF INVENTION: Transdominant Tat Mutants and Uses
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: US
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/910,867B
; FILING DATE: 02-JUL-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mayfield, Denise L.
; REGISTRATION NUMBER: 33,732
; REFERENCE/DOCKET NUMBER: UTSD:263/MAY
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 512/418-3000
; TELEFAX: 512/474-7577
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-07-910-867B-13

Query Match 0.8%; Score 12; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1122 ACCGCGCGCTCC 1133
Db 12 ACCGCGCGCTCC 1
RESULT 498
US-08-346-613-13/c
; Sequence 13, Application US/08346613
; Patent No. 5686264
; GENERAL INFORMATION:
; APPLICANT: GAYNOR, RICHARD B.
; APPLICANT: GARCIA, JOSEPH A.
; APPLICANT: HARRICH, DAVID

;/ TITLE OF INVENTION: TRANSDOMINANT Tat MUTANTS AND USES
;/ TITLE OF INVENTION: THEREOF
;/ NUMBER OF SEQUENCES: 18
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: ARNOLD, WHITE & DURKEE
;/ STREET: P.O. BOX 4433
;/ CITY: HOUSTON
;/ STATE: TEXAS
;/ COUNTRY: USA
;/ ZIP: 77210
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: FLOPPY DISK
;/ COMPUTER: IBM PC COMPATIBLE
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: WORDPERFECT 5.1
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/346,613
;/
;/ FILING DATE:
;/ CLASSIFICATION: 435
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: 07/910,867
;/ FILING DATE: 07/02/92
;/ CLASSIFICATION: 435
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: MAYFIELD, DENISE L.
;/ REGISTRATION NUMBER: 33,732
;/ REFERENCE/DOCKET NUMBER: UTSD:263/MAY
;/ TELEPHONE: 512-320-7200
;/ TELEFAX: 512-474-7577
;/ TELEX: NOT APPLICABLE
;/ INFORMATION FOR SEQ ID NO: 13:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 12 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ US-08-346-613-13
;/
;/ Query Match 0.8%; Score 12; DB 1; Length 12;
;/ Best Local Similarity 100.0%; Pred.No. 1.3e+02;
;/ Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;/
QY 1122 ACCGCCGGCTCC 1133
Db 12 ACCGCCGGCTCC 1
;/
;/ RESULT 499
;/ US-08-457-273B-38/c
;/ Sequence 38, Application US/08457273B
;/ Patent No. 5849995
;/ GENERAL INFORMATION:
;/ APPLICANT: Hayden, Michael
;/ APPLICANT: Lin, Biayang
;/ APPLICANT: Nasir, Jamal
;/ TITLE OF INVENTION: Mouse Model for Huntington's Disease and
;/ TITLE OF INVENTION: Related DNA Sequences
;/ NUMBER OF SEQUENCES: 42
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Virginia Bennett
;/ STREET: PO Box 37428
;/ CITY: Raleigh
;/ STATE: No. 5849995th Carolina
;/ COUNTRY: US
;/ ZIP: 27627
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.30
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/457,273B

;/ FILING DATE:
;/ CLASSIFICATION: 800
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Bennett, Virginia C.
;/ REGISTRATION NUMBER: 37,092
;/ REFERENCE/DOCKET NUMBER: 3477-85A
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: 919-854-1400
;/ TELEFAX: 919-854-1401
;/ INFORMATION FOR SEQ ID NO: 38:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 12 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: cDNA
;/ US-08-457-273B-38
;/
;/ Query Match 0.8%; Score 12; DB 1; Length 12;
;/ Best Local Similarity 100.0%; Pred.No. 1.3e+02;
;/ Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;/
QY 1373 GCGCGCGCGGC 1384
Db 12 GCGCGCGCGGC 1
;/
;/ RESULT 500
;/ US-09-475-947A-346
;/ Sequence 346, Application US/09475947A
;/ Patent No. 6472154
;/ GENERAL INFORMATION:
;/ APPLICANT: Garner, Harold R.
;/ APPLICANT: Wren, Jonathan D.
;/ APPLICANT: Minna, John D.
;/ TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;/ FILE REFERENCE: UTSD0667
;/ CURRENT APPLICATION NUMBER: US/09/475,947A
;/ CURRENT FILING DATE: 1999-12-31
;/ NUMBER OF SEQ ID NOS: 346
;/ SOFTWARE: PatentIn Ver. 2.1
;/ SEQ ID NO 346
;/ LENGTH: 12
;/ TYPE: DNA
;/ ORGANISM: human
;/ US-09-475-947A-346
;/
;/ Query Match 0.8%; Score 12; DB 1; Length 12;
;/ Best Local Similarity 100.0%; Pred.No. 1.3e+02;
;/ Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;/
QY 1374 GCGCGCGCGGCA 1385
Db 1 GCGCGCGCGGCA 12
;/
;/ RESULT 501
;/ US-08-623-891-42
;/ Sequence 42, Application US/08623891
;/ Patent No. 5795778
;/ GENERAL INFORMATION:
;/ APPLICANT: Kenneth G. Draper
;/ TITLE OF INVENTION: METHOD AND REAGENT FOR
;/ TITLE OF INVENTION: INHIBITING HERPES SIMPLEX
;/ TITLE OF INVENTION: VIRUS REPLICATION
;/ NUMBER OF SEQUENCES: 115
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Lyon & Lyon
;/ STREET: 611 West Sixth Street
;/ CITY: Los Angeles
;/ STATE: California
;/ COUNTRY: USA
;/ ZIP: 90017

STRANDEDNESS: single
TOPOLOGY: linear
US-09-634-262-42

Query Match 0.8%; Score 12; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 1.6e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 532 CTGGGACGAGA 543
1 CUGGGACGAGA 12

RESULT 504

US-08-985-162-1759/c
; Sequence 1759, Application US/08985162
; Patent No. 6057156
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,162
; FILING DATE: 04 December 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1759:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-985-162-1759

Query Match 0.8%; Score 12; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1373 GGCGGGCGGC 1384
14 GGCGGGCGGC 3

RESULT 505

US-08-985-162-1760/c
; Sequence 1760, Application US/08985162
; Patent No. 6057156
; GENERAL INFORMATION:
; APPLICANT: Akhtar, Saghir
; APPLICANT: Fell, Patricia
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: ENZYMAIC NUCLEIC ACID TREATMENT
; TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
; TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTORS
; NUMBER OF SEQUENCES: 1877
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,162
; FILING DATE: 04 December 1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/036,476
; FILING DATE: 31 January 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 1760:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-985-162-1760

Query Match 0.8%; Score 12; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1372 GGCGGGCGGC 1383
12 GGCGGGCGGC 1

RESULT 506

US-08-319-492B-57/c
; Sequence 57, Application US/08319492B
; Patent No. 5616488
; GENERAL INFORMATION:
; APPLICANT: Sullivan, Sean M.
; APPLICANT: Draper, Kenneth G.
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
; TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF IL-5
; NUMBER OF SEQUENCES: 751
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon

```

/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0
/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/319,492B
/ FILING DATE: October 7, 1994
/ PRIOR APPLICATION DATA: including application
/ PRIOR APPLICATION DATA: described below:
/ APPLICATION NUMBER: 08/008,895
/ FILING DATE: January 19, 1993
/ FILING DATE: December 7, 1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 209/276
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 57:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-319-492B-57

```

```

Query Match 0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 457 TAAGGACAAAGTT 468
Db 15 TAAGGACAAAGTT 4

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```

RESULT 507
US-08-319-492B-58/c
/ Sequence 58, Application US/08319492B
/ Patent No. 5616488
/ GENERAL INFORMATION:
/ APPLICANT: Sullivan, Sean M.
/ APPLICANT: Draper, Kenneth G.
/ APPLICANT: McSwiggen, James
/ APPLICANT: Stinchcomb, Dan T.
/ TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
/ TITLE OF INVENTION: OF IL-5
/ NUMBER OF SEQUENCES: 751
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Lyon & Lyon
/ STREET: 633 West Fifth Street
/ STREET: Suite 4700
/ CITY: Los Angeles
/ STATE: California
/ COUNTRY: U.S.A.
/ ZIP: 90071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ MEDIUM TYPE: storage
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: IBM P.C. DOS 5.0

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/ SOFTWARE: Word Perfect 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/319,492B
/ FILING DATE: October 7, 1994
/ PRIOR APPLICATION DATA:
/ PRIOR APPLICATION DATA: including application
/ PRIOR APPLICATION DATA: described below:
/ APPLICATION NUMBER: 08/008,895
/ FILING DATE: January 19, 1993
/ FILING DATE: December 7, 1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Warburg, Richard
/ REGISTRATION NUMBER: 32,327
/ REFERENCE/DOCKET NUMBER: 209/276
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (213) 489-1600
/ TELEFAX: (213) 955-0440
/ TELEX: 67-3510
/ INFORMATION FOR SEQ ID NO: 58:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ US-08-319-492B-58

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```

Query Match 0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 457 TAAGGACAAAGTT 468
Db 12 TAAGGACAAAGTT 1

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RESULT 508
US-08-929-856-57
/ Sequence 57, Application US/08929856
/ Patent No. 6136568
/ GENERAL INFORMATION:
/ APPLICANT: Hiatt, Andrew
/ APPLICANT: Rose, Floyd
/ TITLE OF INVENTION: DE NOVO POLYNUCLEOTIDE SYNTHESIS USING
/ TITLE OF INVENTION: ROLLING TEMPLATES
/ NUMBER OF SEQUENCES: 190
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ &
/ ADDRESSEE: MENTILIK
/ STREET: 600 South, Avenue West
/ CITY: Westfield
/ STATE: New Jersey
/ COUNTRY: USA
/ ZIP: 07090
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/929,856
/ FILING DATE: 15-SEP-1997
/ CLASSIFICATION: 536
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Foley, Shawn P.
/ REGISTRATION NUMBER: 33,071
/ REFERENCE/DOCKET NUMBER: ROSE 3.0-057
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 908-654-5000
/ TELEFAX: 908-654-7866
/ INFORMATION FOR SEQ ID NO: 57:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 15 base pairs

```

```
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-929-856-57

Query Match      0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      244 GAAGAGGAGGCA 255
Db      4 GAAGAGGAGGCA 15

RESULT 509
US-09-275-850-25/c
; Sequence 25, Application US/09275850A
; Patent No. 6261774
; GENERAL INFORMATION:
; APPLICANT: Pagratis, Nikos
; APPLICANT: Gold, Larry
; APPLICANT: Shtatland, Timur
; APPLICANT: Javornik, Brenda
; TITLE OF INVENTION: Truncation SELEX Method
; FILE REFERENCE: NEX 79
; CURRENT APPLICATION NUMBER: US/09/275,850A
; CURRENT FILING DATE: 1999-03-24
; NUMBER OF SEQ ID NOS: 351
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 15
; TYPE: RNA
; ORGANISM: E. coli
US-09-275-850-25

Query Match      0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      154 GCTGCTGCTGGC 165
Db      12 GCTGCTGCTGGC 1

RESULT 510
US-09-081-646-571/c
; Sequence 571, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 0107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 571
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-571

Query Match      0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      592 CATCACCAAGTC 603
Db      15 CATCACCAAGTC 4

RESULT 511
US-09-344-667-9/c
; Sequence 9, Application US/09344667A
; Patent No. 6361944
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storchoff, James J.
; APPLICANT: Elghariani, Robert
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 4149-1-1-1
; CURRENT APPLICATION NUMBER: US/09/344,667A
; CURRENT FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: random
; OTHER INFORMATION: synthetic sequence
US-09-344-667-9

Query Match      0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      45 GAGAGAGGAAA 56
Db      14 GAGAGAGGAAA 3

RESULT 512
US-09-693-352-9/c
; Sequence 9, Application US/09693352
; Patent No. 6417340
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storchoff, James J.
; APPLICANT: Elghariani, Robert
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 4149-1-1-1
; CURRENT APPLICATION NUMBER: US/09/693,352
; CURRENT FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: PCT/US97/12783
 ; PRIOR FILING DATE: 1997-07-21
 ; PRIOR APPLICATION NUMBER: 60/031,809
 ; PRIOR FILING DATE: 1996-07-29

APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert

```
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-117
; CURRENT APPLICATION NUMBER: US/09/976,978A
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 9
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-976-978A-9

Query Match          0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      45 GAGGAAGGGAAA 56
        |||||
Db      14 GAGGAAGGGAAA 3

RESULT 517
US-09-961-949A-9/c
; Sequence 9, Application US/09961949A
; Patent No. 6582921
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-11
; CURRENT APPLICATION NUMBER: US/09/961,949A
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 9
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-976-978A-9

Query Match          0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      45 GAGGAAGGGAAA 56
        |||||
Db      14 GAGGAAGGGAAA 3

RESULT 517
US-09-961-949A-9/c
; Sequence 9, Application US/09961949A
; Patent No. 6582921
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; FILE REFERENCE: 00-713-11
; CURRENT APPLICATION NUMBER: US/09/961,949A
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 9
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-976-978A-9
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-961-949A-9

Query Match          0.8%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      45 GAGGAAGGGAAA 56
        |||||
Db      14 GAGGAAGGGAAA 3

RESULT 518
US-08-981-321-5/c
; Sequence 5, Application US/08981321A
; Patent No. 6146871
; GENERAL INFORMATION:
; APPLICANT: GARCIA LOPEZ, et al, Jose Luis
; TITLE OF INVENTION: PROCESS FOR MODIFYING THE ENZYME
; TITLE OF INVENTION: 7B-(4-CARBOXYBUTANAMIDE) CE PHALOS PORI NACYLAS E AND
; TITLE OF INVENTION: PURIFYING SAID ENZYME IN A SINGLE CHROMATOGRAPHIC STEP
; FILE REFERENCE: U-011559-6
; CURRENT APPLICATION NUMBER: US/08/981,321A
; CURRENT FILING DATE: 1998-08-13
; EARLIER APPLICATION NUMBER: PCT/ES97/00098
; EARLIER FILING DATE: 1997-04-19
; EARLIER APPLICATION NUMBER: P9600890
; EARLIER FILING DATE: 1996-04-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide for site-directed
; OTHER INFORMATION: mutagenesis of gla gene
US-08-981-321-5

Query Match          0.8%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      748 CCGGGGCTGGC 759
        |||||
Db      12 CCGGGGCTGGC 1

RESULT 519
US-08-152-313-20
; Sequence 20, Application US/08152313
; Patent No. 5561041
; GENERAL INFORMATION:
; APPLICANT: Sidransky, David
; TITLE OF INVENTION: NUCLEIC ACID MUTATION DETECTION BY
; TITLE OF INVENTION: ANALYSIS OF SPUTUM
; NUMBER OF SEQUENCES: 128
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
```

```

;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,313
; FILING DATE: 12-NOV-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr., Ph.D., John R.,
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-2912
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..17
; US-08-152-313-20

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 CACACACCCGCC 89
Db 4 CACACACCCGCC 15

RESULT 520
US-08-579-223-20
; Sequence 20, Application US/08579223
; Patent No. 5728019
; GENERAL INFORMATION:
; APPLICANT: Sidransky, David
; TITLE OF INVENTION: NUCLEIC ACID MUTATION DETECTION BY
; TITLE OF INVENTION: ANALYSIS OF SPUTUM
; NUMBER OF SEQUENCES: 128
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,223
; FILING DATE: 28-DEC-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/152,313
; FILING DATE: 12-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr., Ph.D., John R.,
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-2912
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,313
; FILING DATE: 12-NOV-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wetherell, Jr., Ph.D., John R.,
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: PD-2912
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..17
; US-08-579-223-20

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 CACACACCCGCC 89
Db 4 CACACACCCGCC 15

RESULT 521
US-08-584-040-3970
; Sequence 3970, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
; APPLICANT: Favco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3970:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-3970

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1444 CATCCACTGGTA 1455
||:||||:|
```

Db 6 CAUCCACUGGUA 17

RESULT 522

US-08-584-040-7583/c
; Sequence 7583, Application US/08584040
; Patent No. 6346398

; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; NAME: Warburg, Richard J.
; ATTORNEY/AGENT INFORMATION:
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 7583:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-7583

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 359 TCCGAGCGATT 370

Db 16 TCCGAGCGATT 5

RESULT 523

US-08-584-040-7584/c
; Sequence 7584, Application US/08584040
; Patent No. 6346398

; GENERAL INFORMATION:
; APPLICANT: Pavco, Pamela
; APPLICANT: McSwiggen, James
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Escobedo, Jaime

; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: TREATMENT OF DISEASES OR
; TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
; TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 8502
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/584,040
; FILING DATE: January 11, 1996
; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/005,974
; FILING DATE: October 26, 1995
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 218/064
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 7584:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-584-040-7584

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 359 TCCGAGCGATT 370

Db 12 TCCGAGCGATT 1

RESULT 524

US-08-679-645-829/c
; Sequence 829, Application US/08679645
; Patent No. 6350934

; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
; TITLE OF INVENTION: IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 829:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-679-645-829

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 620 AAGTACGGCATG 631
Db 12 AAGTACGGCATG 1

RESULT 525
US-09-474-432B-587/c
Sequence 587, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MEHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: Patentin version 3.0
SEQ ID NO 587

LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-587

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 208 CTCGGGACTGGC 219
Db 16 CTCGGGACTGGC 5

RESULT 526
US-09-474-432B-878/c
Sequence 878, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amber
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MEHB00-831-B (247/276)
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR APPLICATION NUMBER: US 60/084,727
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: US 09/186,675
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: Patentin version 3.0
SEQ ID NO 878
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-474-432B-878

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1442 GGCATCCACTGG 1453
Db 17 GGCATCCACTGG 6

RESULT 527
US-09-371-772B-1737
Sequence 1737, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
FILE REFERENCE: MEHB00-876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26

; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1737
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1737

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1444 CATCCACTGGTA 1455
||:||||:|
Db 6 CAUCCACUGGUA 17

RESULT 528
US-09-371-772B-3379/c
; Sequence 3379, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3379
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-3379

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 359 TCCGAGCGATT 370
|||||||
Db 16 TCCGAGCGATT 5

RESULT 529
US-09-371-772B-3380/c
; Sequence 3380, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040

; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3380
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-3380

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 359 TCCGAGCGATT 370
|||||||
Db 12 TCCGAGCGATT 1

RESULT 530
US-09-371-772B-6382
; Sequence 6382, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6382
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-6382

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1444 CATCCACTGGTA 1455
||:||||:|
Db 5 CAUCCACUGGUA 16

RESULT 531
PCT-US94-12947A-20
; Sequence 20, Application PC/TUS9412947A
; GENERAL INFORMATION:
; APPLICANT: The Johns Hopkins University School of Medicine
; TITLE OF INVENTION: NUCLEIC ACID MUTATION DETECTION BY
; TITLE OF INVENTION: ANALYSIS OF SPUTUM
; NUMBER OF SEQUENCES: 128
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/12947A
FILING DATE: 10-NOV-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Ph.D., Lisa A.
REGISTRATION NUMBER: P-38,347
REFERENCE/DOCKET NUMBER: FD-2912
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..17
PCT-US94-12947A-20

Query Match 0.8%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 CACACACCGGCC 89
DB 4 CACACACCGGCC 15

RESULT 532
US-09-475-947A-332/c
Sequence 332, Application US/09475947A
Patent No. 6472154
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Wren, Jonathan D.
APPLICANT: Minna, John D.
TITLE OF INVENTION: Polymorphic Repeats in Human Genes
FILE REFERENCE: UTS00667
CURRENT APPLICATION NUMBER: US/09/475,947A
CURRENT FILING DATE: 1999-12-31
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 332
LENGTH: 30
TYPE: DNA
ORGANISM: human
US-09-475-947A-332

Query Match 0.8%; Score 12; DB 1; Length 30;
Best Local Similarity 64.3%; Pred. No. 6.6e+02;
Matches 18; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1413 CCAGCGCTCGGTGCGGGGCGCACCGC 1440
DB 29 CCAGCGCGCGCGCGCGCGCGCGCGC 2

RESULT 533
US-08-182-968A-375
Sequence 375, Application US/08182968A
Patent No. 5610054
GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,888
FILING DATE: 14-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 205/277
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 375:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-182-968A-375

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 382 CCCCAATTACACCC 396
DB 1 CCGGAUUAACACCC 15

RESULT 534
US-08-334-847-117/c
Sequence 117, Application US/08334847
Patent No. 5693532
GENERAL INFORMATION:
APPLICANT: McSwiggen, James
APPLICANT: Draper, Kenneth
APPLICANT: Pavco, Pam
APPLICANT: Woolf, Tod
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING RESPIRATORY
TITLE OF INVENTION: SYNCYTIAL VIRUS
NUMBER OF SEQUENCES: 909
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,847

; FILING DATE: No. 5693532ember 4, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 117:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-334-847-117

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 406 ATTATGAGTGAAGA 420
DB 15 ATTATGAGTGAAGA 1

RESULT 535
US-08-363-240A-9
; Sequence 9, Application US/08363240A
; Patent No. 5705388

; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; FILING DATE: December 23, 1994
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-334-847-117

; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-9

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1302 ACGGCTCTGCTG 1316
DB 1 ACGGCTCTGCTG 15

RESULT 536
US-08-363-240A-199/c
; Sequence 199, Application US/08363240A
; Patent No. 5705388

; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; FILING DATE: December 23, 1994
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 199:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-199

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1453 GTACTCGAGCTGCT 1467
DB 15 GGACTCGAGCTGCT 1

```
RESULT 537
US-08-363-240A-647
; Sequence 647, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 647:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-363-240A-647

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1274 CGGGCCTTCGGCCC 1288
DB 1 CGCGCCUUCGGCCC 15

RESULT 538
US-08-363-240A-647
; Sequence 648, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 647:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-363-240A-647

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1274 CGGGCCTTCGGCCC 1288
DB 1 CGCGCCUUCGGCCC 15

RESULT 539
US-08-363-240A-659
; Sequence 659, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
```

```
US-08-363-240A-648
Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1274 CGGGCCTTCGGCCC 1288
DB 1 CGCGCCUUCGGCCC 15
```

```
RESULT 539
US-08-363-240A-659
; Sequence 659, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwiggen, James
; APPLICANT: Bisgaier, Charles
; APPLICANT: Pape, Michael
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
```

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; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 659:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-659

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1027 GCGCCTTCGGGGG 1041
Db 1 GCGGCGUCCAGGAG 15

RESULT 540
US-08-363-240A-660
; Sequence 660, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
; APPLICANT: Couture, Larry
; APPLICANT: McSwigen, James
; APPLICANT: Biegaler, Charles
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: PREVENTION, INHIBITION OF
; TITLE OF INVENTION: PROGRESSION AND REGRESSION
; TITLE OF INVENTION: OF VASCULAR DISEASES
; NUMBER OF SEQUENCES: 1243
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/363,240A
; FILING DATE: December 23, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 210/096
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
```

```
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 660:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-363-240A-660

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1027 GCGCCTTCGGGGG 1041
Db 1 GCGGCGUCCAGGAG 15

RESULT 541
US-08-311-486C-57/c
; Sequence 57, Application US/08311486C
; Patent No. 5811300
; GENERAL INFORMATION:
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth Draper
; APPLICANT: Kevin Kisich
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwigen
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: TNF-
; NUMBER OF SEQUENCES: 1157
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,486C
; FILING DATE: September 23, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/166
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-311-486C-57
```

two

Query Match 0.7%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 2.5e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 237 GGTCGGAGAGGA 251
 DB 15 GGTCGAGAGATGA 1

RESULT 542

US-08-311-486C-165/c
 ; Sequence 165, Application US/08311486C

; Patent No. 5811300

; GENERAL INFORMATION:

; APPLICANT: Sean Sullivan

; APPLICANT: Kenneth Draper

; APPLICANT: Kevin Kisich

; APPLICANT: Dan T. Stinchcomb

; APPLICANT: James McSwiggen

; TITLE OF INVENTION: RIBOZYME TREATMENT OF

; DISEASES OR CONDITIONS

; TITLE OF INVENTION: RELATED TO LEVELS OF

; TNF- α

; NUMBER OF SEQUENCES: 1157

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; STREET: Suite 4700

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071-2066

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/311.486C

; FILING DATE: September 23, 1994

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; INCLUDING APPLICATION

; PRIOR APPLICATION DATA: described below:

; APPLICATION NUMBER: 08/008.895

; FILING DATE: January 19, 1993

; APPLICATION NUMBER: 07/989.849

; FILING DATE: December 7, 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 209/166

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 165:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-08-311-486C-165

Query Match 0.7%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 2.5e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 38 CCGAGGAGGAGG 52
 DB 15 CTGAGAGGAGG 1

RESULT 543

US-08-311-486C-675/c
 ; Sequence 675, Application US/08311486C

; Patent No. 5811300

; GENERAL INFORMATION:

; APPLICANT: Sean Sullivan

; APPLICANT: Kenneth Draper

; APPLICANT: Kevin Kisich

; APPLICANT: Dan T. Stinchcomb

; APPLICANT: James McSwiggen

; TITLE OF INVENTION: RIBOZYME TREATMENT OF

; DISEASES OR CONDITIONS

; TITLE OF INVENTION: RELATED TO LEVELS OF

; TNF- α

; NUMBER OF SEQUENCES: 1157

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; STREET: Suite 4700

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071-2066

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/311.486C

; FILING DATE: September 23, 1994

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; INCLUDING APPLICATION

; PRIOR APPLICATION DATA: described below:

; APPLICATION NUMBER: 08/008.895

; FILING DATE: January 19, 1993

; APPLICATION NUMBER: 07/989.849

; FILING DATE: December 7, 1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327

; REFERENCE/DOCKET NUMBER: 209/166

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 675:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 15 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; US-08-311-486C-675

Query Match 0.7%; Score 11.8; DB 1; Length 15;
 Best Local Similarity 86.7%; Pred. No. 2.5e+02;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 328 CCGAAGGTATGAAG 342
 DB 15 CTGAAGGTAGGAAG 1

RESULT 544

US-08-292-620A-200/c
 ; Sequence 200, Application US/08292620A

; Patent No. 5837542

; GENERAL INFORMATION:

; APPLICANT: Susan Grimm

two

two

```

; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-292-620A-200

; Query Match 0.7%; Score 11.8; DB 1; Length 15;
; Best Local Similarity 86.7%; Pred. No. 2.5e+02;
; Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1469 TACCAATAGGCACC 1483
DB 15 TACCAATAGGCAGC 1

; RESULT 545
; US-08-173-489C-329
; Sequence 329, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,

; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below:
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-292-620A-200

; Query Match 0.7%; Score 11.8; DB 1; Length 15;
; Best Local Similarity 86.7%; Pred. No. 2.5e+02;
; Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1469 TACCAATAGGCACC 1483
DB 15 TACCAATAGGCAGC 1

; RESULT 545
; US-08-173-489C-329
; Sequence 329, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HEBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,

; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 329:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; DESCRIPTION: 16s rRNA gene from Mycoplasma
; DESCRIPTION: pneumoniae (Accession # M29061) nucleotides
; DESCRIPTION: 1150 to 1164
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: Mycoplasma pneumoniae
; PUBLICATION INFORMATION:
; AUTHORS: Weisburg, W G, Tully, J G, Rose, D L,
; AUTHORS: Petzel, J P, Oyaizu, H, Yang, D, Mandelco, J,
; AUTHORS: L, Sechrest, J, Lawrence, T G, Van Etten, J,
; AUTHORS: Maniloff, J, Woese, C R.
; TITLE: A phylogenetic analysis of
; TITLE: the mycoplasmas: Basis for their classification
; JOURNAL: Journal of Bacteriology
; VOLUME: 171
; PAGES: 6455-6467
; DATE: 1990
; RELEVANT RESIDUES IN SEQ ID NO: 329 :FROM 1 TO 15
; US-08-173-489C-329

; Query Match 0.7%; Score 11.8; DB 1; Length 15;
; Best Local Similarity 86.7%; Pred. No. 2.5e+02;
; Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 40 GGAGCGGAGGAAGGGA 54
DB 1 GGAGGAGGAAGGGA 15

; RESULT 546
; US-08-774-306A-375
; Sequence 375, Application US/08774306A
; Patent No. 5869253
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
```

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 223/227
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 375:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-774-306A-375

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 382 CCCCAATTACACCC 396
Db 1 CCGGAUUAACACCC 15

RESULT 547
US-08-232-081B-16/c
Sequence 16, Application US/08232081B
Patent No. 5886152
GENERAL INFORMATION:
APPLICANT: NAKATANI, TOMOYUKI
APPLICANT: GOMI, HIDEYUKI
APPLICANT: WIJDNES, JOHN
APPLICANT: NOGUCHI, HIROSHI
TITLE OF INVENTION: HUMANIZED B-B10
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
STREET: PO BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,081B
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: SVENSSON, LEONARD R

REGISTRATION NUMBER: 30,330
REFERENCE/DOCKET NUMBER: 20-3484
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-232-081B-16

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 782 GGCACCAAGCTGGTG 796
Db 15 GGCACCAAGCTGGAG 1

RESULT 548
US-08-856-141-19
Sequence 19, Application US/08856141
Patent No. 5948616
GENERAL INFORMATION:
APPLICANT: CHAO, LEE
APPLICANT: CHAO, JULIE
TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
CORRELATING TISSUE KALLIKREIN GENE PROMOTER POLYMORPHISMS WITH
TITLE OF INVENTION: ESSENTIAL HYPERTENSION
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street, NE
CITY: Atlanta
STATE: GA
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/856,141
FILING DATE: 14-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Miller, Mary L
REGISTRATION NUMBER: 39,303
REFERENCE/DOCKET NUMBER: 19070.0045
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
TELEX:
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-856-141-19

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1561 GCGCGGGGAGGGGC 1575
Db 1 CGAGCGGGGGGGGC 15

RESULT 549

US-08-849-021-8
; Sequence 8, Application US/08849021
; Patent No. 5955276
; GENERAL INFORMATION:
; APPLICANT: MORGANTE, MICHELE
; APPLICANT: VOGEL, JULIE M.
; TITLE OF INVENTION: COMPOUND MICROSTATELLITE
; TITLE OF INVENTION: PRIMERS FOR THE
; TITLE OF INVENTION: DETECTION OF GENETIC
; TITLE OF INVENTION: POLYMORPHISMS
; NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DU PONT DE NEMOURS AND
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: U.S.A.
; ZIP: 19898
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PATENT IN RELEASE #1.0, VERSION 1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/849,021
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,456
; FILING DATE: 28 NOVEMBER 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: FLOYD, LINDA AXAMETHY
; REGISTRATION NUMBER: 33,692
; REFERENCE/DOCKET NUMBER: BB-1064-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-8112
; TELEFAX: 302-992-7949
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-849-021-8

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 70 CGCACACGCACACAC 84
Db 1 CACACACACACAC 15

RESULT 550

US-08-849-021-10/c
; Sequence 10, Application US/08849021
; Patent No. 5955276
; GENERAL INFORMATION:
; APPLICANT: MORGANTE, MICHELE
; APPLICANT: VOGEL, JULIE M.
; TITLE OF INVENTION: COMPOUND MICROSTATELLITE
; TITLE OF INVENTION: PRIMERS FOR THE
; TITLE OF INVENTION: DETECTION OF GENETIC
; TITLE OF INVENTION: POLYMORPHISMS

; NUMBER OF SEQUENCES: 89
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: E. I. DU PONT DE NEMOURS AND
; STREET: 1007 MARKET STREET
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: U.S.A.
; ZIP: 19898
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PATENT IN RELEASE #1.0, VERSION 1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/849,021
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/346,456
; FILING DATE: 28 NOVEMBER 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: FLOYD, LINDA AXAMETHY
; REGISTRATION NUMBER: 33,692
; REFERENCE/DOCKET NUMBER: BB-1064-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-8112
; TELEFAX: 302-992-7949
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-849-021-10

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 70 CGCACACGCACACAC 84
Db 15 CACACACACACAC 1

RESULT 551

US-08-629-039-11
; Sequence 11, Application US/08629039
; Patent No. 5958736
; GENERAL INFORMATION:
; APPLICANT: STAHL, Stefan
; APPLICANT: NYGREN, Per-Ake
; APPLICANT: HANSSON, Marianne
; APPLICANT: UHLEN, Mathias
; APPLICANT: NGUYEN, Thien N
; TITLE OF INVENTION: RECOMBINANT DNA CODING FOR SIGNAL
; TITLE OF INVENTION: PEPTIDE, SELECTIVE INTERACTING POLYPEPTIDE AND MEMBRANE
; TITLE OF INVENTION: ANCHORING SEQUENCE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

US-08-629-039-11
; Sequence 11, Application US/08629039
; Patent No. 5958736
; GENERAL INFORMATION:
; APPLICANT: STAHL, Stefan
; APPLICANT: NYGREN, Per-Ake
; APPLICANT: HANSSON, Marianne
; APPLICANT: UHLEN, Mathias
; APPLICANT: NGUYEN, Thien N
; TITLE OF INVENTION: RECOMBINANT DNA CODING FOR SIGNAL
; TITLE OF INVENTION: PEPTIDE, SELECTIVE INTERACTING POLYPEPTIDE AND MEMBRANE
; TITLE OF INVENTION: ANCHORING SEQUENCE
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

```

; APPLICATION NUMBER: US/08/629,039
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/140,138
; FILING DATE: 03-NOV-1993
; APPLICATION NUMBER: SE 9101433-2
; FILING DATE: 13-MAY-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Crane-Feury, Sharon E
; REGISTRATION NUMBER: 36,113
; REFERENCE/DOCKET NUMBER: 003300-295
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-629-039-11

Query Match      0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1548 GGGCGGGGGGGGGG 1562
Db 1 GGGGGGGGGSMGGGS 15

RESULT 552
US-08-550-120-3/c
; Sequence 3, Application US/08550120
; Patent No. 5985554
; GENERAL INFORMATION:
; APPLICANT: Hitoshi TANIMURA et al.
; TITLE OF INVENTION: METHOD FOR PROBING THE FUNCTION OF A PROTEIN
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/550,120
; FILING DATE: October 30, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-269417
; FILING DATE: No. 5985554ember 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 bases
; TYPE: nucleic acid
; STRANDEDNESS: single

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```

; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid, synthetic DNA
; US-08-550-120-3

Query Match      0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1359 GCGGGGACCGCGGG 1373
Db 15 GCGGGGCGCGCGGG 1

RESULT 553
US-08-667-939A-11/c
; Sequence 11, Application US/08667939A
; Patent No. 5998166
; GENERAL INFORMATION:
; APPLICANT: LUO, Shun
; TITLE OF INVENTION: CD16-II VARIANTS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/667,939A
; FILING DATE: 24-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/433,123
; FILING DATE: 03-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, ROGER L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: LUO=2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-667-939A-11

Query Match      0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 173 CTGCTGCTAGTCTC 187
Db 15 CTGCTGCTAGTCTC 1

RESULT 554
US-08-667-939A-22
; Sequence 22, Application US/08667939A
; Patent No. 5998166
; GENERAL INFORMATION:
; APPLICANT: LUO, Shun
; TITLE OF INVENTION: CD16-II VARIANTS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:

```

ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/667,939A
FILING DATE: 24-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/433,123
FILING DATE: 03-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: L00-2A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-08-667-939A-22

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 173 CTGCTGCTAGTCCTC 187
Db 1 CTGCTGCTAGTCCTC 15

RESULT 555
US-08-994-946A-10/c
Sequence 10, Application US/08994946A
Patent No. 6046317
GENERAL INFORMATION:
APPLICANT: Koulu, Markku
APPLICANT: Karvonen, Matti
APPLICANT: Pesonen, Ullamari
APPLICANT: Uusitupa, Matti
TITLE OF INVENTION: A DNA Molecule Encoding a Mutant
TITLE OF INVENTION: Prepro-Neuropeptide Y, a Mutant Signal Peptide, and Uses
TITLE OF INVENTION: Theoreof
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rotiwell, Pigg, Ernst & Kurz, P.C.
STREET: 555 13th Street NW, Suite 701-E
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/994,946A
FILING DATE: 19-DEC-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 2328-110
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-783-6040
TELEFAX: 202-783-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer"
US-08-994-946A-10

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1362 GGGACCGCGGGCGG 1376
Db 15 GGGACCGCGGGACCG 1

RESULT 556
US-09-284-782-8/c
Sequence 8, Application US/09284782
Patent No. 6057111
GENERAL INFORMATION:
APPLICANT: ENTERPRISES, LTD., QBI
APPLICANT: Deiss, Louis P.
APPLICANT: Yehiely, Pruma
APPLICANT: Efimova, Elena
APPLICANT: Vasquez-Iaslop, No. 6057111a C.
APPLICANT: Einat, Paz
TITLE OF INVENTION: GENE IDENTIFICATION METHOD
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kohn & Associates
STREET: 30500 No. 6057111thwestern Highway, Suite 410
CITY: Farmington Hills
STATE: Michigan
COUNTRY: US
ZIP: 48334
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/284,782
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Montgomery, Irene N.
REGISTRATION NUMBER: 38,972
REFERENCE/DOCKET NUMBER: 0168-00022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (248) 539-5050
TELEFAX: (248) 539-5055
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer"
US-09-284-782-8

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 227 CCGGGCAGGGGCTTC 241
Db 15 CCGGGCAGGTGGATC 1

RESULT 557

US-08-827-036A-14/c
; Sequence 14, Application US/08827036A
; Patent No. 6080727
; GENERAL INFORMATION:
; APPLICANT: Gabriella Zupi
; TITLE OF INVENTION: Oligonucleotide Treatments and
; TITLE OF INVENTION: Compositions for Human Melanoma
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James A. Bradburne, Ph.D.
; STREET: 5 Palo Alto Square,
; STREET: 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Windows 3.1/DOS 5.0
; SOFTWARE: Microsoft Word for Windows, vers. 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,036A
; FILING DATE: 03/25/97
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/014,089
; FILING DATE: 26-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: James A. Bradburne, Ph.D.
; REGISTRATION NUMBER: 38,389
; REFERENCE/DOCKET NUMBER: LYNK-031/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 843-5095
; TELEFAX: (650) 857-0663
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-827-036A-14

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 935 GAGGCGCTGCTGCTC 949
Db 15 GAGCCCTGCTGCTC 1

RESULT 558

US-09-064-156A-375
; Sequence 375, Application US/09064156A
; Patent No. 6132966
; GENERAL INFORMATION:
; APPLICANT: Draper, Kenneth G.
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: INHIBITING HEPATITIS C
; TITLE OF INVENTION: VIRUS REPLICATION
; NUMBER OF SEQUENCES: 498
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700

CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: April 21, 1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/774,306
FILING DATE: December 26, 1996
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 234/083
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 375:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-064-156A-375

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 73.3%; Pred. No. 2.5e+02;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 382 CCCCAATTACACCC 396
Db 1 CCCGAUUAACACCC 15

RESULT 559

US-09-071-845-200/c
; Sequence 200, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible

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; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,845
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/292,620
; FILING DATE: August 17, 1994
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-071-845-200

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```

Query Match          0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 1469 TACCAATAAGGCACC 1483
DB 15 TACCAATAAGGCAGC 1

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RESULT 560
US-08-787-321-24
; Sequence 24, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
; APPLICANT: Horn, Thomas
; TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
; FILE REFERENCE: (1300)-1199,002
; CURRENT APPLICATION NUMBER: US/08/787,321A
; EARLIER FILING DATE: 1997-01-03
; CURRENT FILING DATE: 1997-01-03
; EARLIER FILING DATE: 1996-01-12
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
US-08-787-321-24

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```

Query Match          0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 70 CGCACACGCACACAC 84
DB 1 CACACACACACACAC 15

```

```

RESULT 561
US-09-043-303-15/c
; Sequence 15, Application US/09043303

```

```

; Patent No. 6251589
; GENERAL INFORMATION:
; APPLICANT: TSUII, Shoji
; APPLICANT: SANPEI, Kazujiro
; TITLE OF INVENTION: Method for Diagnosing Spinocerebellar Ataxia Type 2 and
; TITLE OF INVENTION: Primers Therefor
; FILE REFERENCE: 0760-0241P
; CURRENT APPLICATION NUMBER: US/09/043,303
; CURRENT FILING DATE: 1998-05-18
; EARLIER APPLICATION NUMBER: PCT/JP96/01999
; EARLIER FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-043-303-15

```

```

Query Match          0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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```

QY 1369 CGGGGGCGGGCGGG 1383
DB 15 CGGGGGCGGGCGGTG 1

```

```

RESULT 562
US-09-081-646-344
; Sequence 344, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 344
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-344

```

```

Query Match          0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1195 CACGGCCCGAGGCAC 1209
DB 1 CATGGCCCGAGGTAC 15

```

```

RESULT 563
US-09-081-646-424
; Sequence 424, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664

```

; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 424
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-424

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1195 CACGGCCAGGGCAC 1209
Db 1 CATGGCCAGGGCCC 15

RESULT 564

US-09-081-646-484
; Sequence 484, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 484
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-484

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 787 CAAGCTGGTGAAGGA 801
Db 1 CATGTTGGTGAAGGA 15

RESULT 565

US-09-081-646-730
; Sequence 730, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhou, Wei
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; FILE REFERENCE: 01107.74664
; CURRENT APPLICATION NUMBER: US/09/081,646
; CURRENT FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 730

; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-730

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 787 CAAGCTGGTGAAGGA 801
Db 1 CATGTTGGTGAAGGA 15

RESULT 566

US-09-495-140-19
; Sequence 19, Application US/09495140
; Patent No. 6376182
; GENERAL INFORMATION:
; APPLICANT: CHAO, LEE
; APPLICANT: CHAO, JULIE
; APPLICANT: SONG, QING
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CORRELATING
; TITLE OF INVENTION: TISSUE KALLIKREIN GENE PROMOTER POLYMORPHISMS WITH TREATMENT
; TITLE OF INVENTION: OF ESSENTIAL HYPERTENSION
; FILE REFERENCE: 19113.0081
; CURRENT APPLICATION NUMBER: US/09/495,140
; CURRENT FILING DATE: 2000-01-31
; EARLIER APPLICATION NUMBER: 09/389,566
; EARLIER FILING DATE: 1999-09-03
; EARLIER APPLICATION NUMBER: 08/856,141
; EARLIER FILING DATE: 1997-05-14
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence./No. 6376182e =
; OTHER INFORMATION: synthetic construct
US-09-495-140-19

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1561 GGCGCGGAGGGGC 1575
Db 1 GGAGCGGGGGGGGC 15

RESULT 567

US-08-433-123-11/c
; Sequence 11, Application US/08433123
; Patent No. 6444789
; GENERAL INFORMATION:
; APPLICANT: LUC, Shun
; TITLE OF INVENTION: CD16-II VARIANTS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/433,123
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: LUO-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-433-123-11

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 173 CTGCTGCTAGTCTC 187
Db 15 CTGCTGCTAGTCTC 1

RESULT 568

US-08-433-123-22
Sequence 22, Application US/08433123
Patent No. 6444789
GENERAL INFORMATION:

APPLICANT: LUO, Shun
TITLE OF INVENTION: CD16-11 VARIANTS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/433,123
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: LUO-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633

INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-433-123-22

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 173 CTGCTGCTAGTCTC 187
Db 1 CTGCTGCTAGTCTC 15

RESULT 569

US-09-586-376-9
Sequence 9, Application US/09586376
Patent No. 6492115
GENERAL INFORMATION:

APPLICANT: Guida, Marco
TITLE OF INVENTION: GENETIC TYPING OF THE HUMAN CYTOCHROME P450 2A6 GENE
TITLE OF INVENTION: AND RELATED MATERIALS AND METHODS
FILE REFERENCE: 4389-20
CURRENT APPLICATION NUMBER: US/09/586,376
CURRENT FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 15
TYPE: DNA
ORGANISM: Homo sapiens
US-09-586-376-9

Query Match 0.7%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.5e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1507 GCACCCGCTGGCAT 1521
Db 1 GAACCCGCTGGCTT 15

RESULT 570

US-08-086-915-6
Sequence 6, Application US/08086915
Patent No. 544167
GENERAL INFORMATION:

APPLICANT: Pettersson, Kim SI
TITLE OF INVENTION: Variant Luteinizing Hormone Encoding DNA
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Adduci, Mastriani, Schaumberg & Schill
STREET: 1140 Connecticut Avenue, N.W., Suite 250
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/086,915
FILING DATE: 07-JUL-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Kubovcik, Ronald J.
REGISTRATION NUMBER: 25,401
REFERENCE/DOCKET NUMBER: 15873005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-467-6300
TELEFAX: 202-466-2006
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-086-915-6

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02; 2; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1293 GCCTGCGCAGCGC 1307
DB 1 GCCTGCGCAGCGC 15

RESULT 571
US-07-977-284A-150
; Sequence 150, Application US/07977284A
; Patent No. 558988
; GENERAL INFORMATION:
; APPLICANT: Prockop, Darwin J.
; APPLICANT: Ala-Kokko, Leena
; APPLICANT: Williams, Charlene J.
; APPLICANT: Ritvaniemi, Pertti
; APPLICANT: Baldwin, Clinton
; APPLICANT: Hopkinson, Ian
; APPLICANT: Ahmad, Nilofer Nina
; TITLE OF INVENTION: METHODS OF DETECTING A GENETIC
; TITLE OF INVENTION: PREDISPOSITION FOR OSTEOARTHRITIS
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5589888ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,284A
; FILING DATE: 13-NOV-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-0697
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 150:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; ANTI-SENSE: NO
US-07-977-284A-150

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02; 2; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 561 AGTCTCTGCACTACG 575
DB 2 AGTCTCTGCACTAAG 16

RESULT 572
US-08-222-177A-439
; Sequence 439, Application US/08222177A
; Patent No. 5582979

; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-CA)n (GG-GT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 439:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-222-177A-439

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 70 CGCACGCGCACAC 84
DB 1 CACACACACACAC 15

RESULT 573
US-08-166-664-10/C
; Sequence 10, Application US/08166664
; Patent No. 5646020
; GENERAL INFORMATION:
; APPLICANT: James A. McSwiggen
; APPLICANT: J. Anthony Mamone
; TITLE OF INVENTION: HAMMERHEAD RIBOZYMES FOR
; TITLE OF INVENTION: PREFERRED TARGETS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/166,664
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/884,074
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 197/062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-166-664-10

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 830 GCGGACGACGAGGC 844
|||||
DB 15 GCGGACGACGAGGC 1

RESULT 574

US-08-137-117D-97/c
Sequence 97, Application US/08137117D
Patent No. 5795965
GENERAL INFORMATION:
APPLICANT: TSUCHIYA, Masayuki
APPLICANT: SATO, Koh
APPLICANT: BENDIG, Mary
APPLICANT: JONES, Steven
APPLICANT: SALDANHA, Jose
TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN
TITLE OF INVENTION: INTERLEUKIN-6 RECEPTOR
NUMBER OF SEQUENCES: 158
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/137,117D
FILING DATE: 20-DEC-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/JP92/00544
FILING DATE: 24-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 4-32084
FILING DATE: 19-FEB-1992
APPLICATION NUMBER: JP 3-95476
FILING DATE: 25-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: WEGNER, Harold C.
REGISTRATION NUMBER: 25,258
REFERENCE/DOCKET NUMBER: 53466/126/A00K

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5300
TELEFAX: (202) 672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-137-117D-97

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1229 CTGGCCTCGTGCTAC 1243
|||||
DB 15 CTGGCCTCGTTTAC 1

RESULT 575

US-08-367-069-10/c
Sequence 10, Application US/08367069
Patent No. 5811538
GENERAL INFORMATION:
APPLICANT: Timothy A. Riley
APPLICANT: Mark A. Reynolds
APPLICANT: Lloyd R. Snyder
APPLICANT: Robert E. Klem
TITLE OF INVENTION: IMPROVED PROCESS FOR THE
TITLE OF INVENTION: PURIFICATION OF OLIGOMERS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/367,069
FILING DATE: December 30, 1994
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08/176,851
FILING DATE: 30 December 1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-367-069-10

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Query Match      0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      15 GAGGAGAGAGCGAG 29
      Db      15 GAGGAGAGAGAGAG 1

RESULT 576
US-08-436-717-97/c
; Sequence 97, Application US/08436717
; Patent No. 5817790
; GENERAL INFORMATION:
; APPLICANT: TSUCHIYA, Masayuki
; APPLICANT: SATO, Koh
; APPLICANT: BENDIG, Mary
; APPLICANT: JONES, Steven
; APPLICANT: SALDANA, Jose
; TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN
; TITLE OF INVENTION: INTERLEUKIN-6 RECEPTOR
; NUMBER OF SEQUENCES: 158
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,717
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,117
; FILING DATE: 20-DEC-1993
; APPLICATION NUMBER: WO PCT/JP92/00544
; FILING DATE: 24-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 4-32084
; FILING DATE: 19-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 3-95476
; FILING DATE: 25-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: WEGNER, Harold C.
; REGISTRATION NUMBER: 25,258
; REFERENCE/DOCKET NUMBER: 53466/126/AAOK
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 97:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-436-717-97

Query Match      0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1229 CTGGCCTCGTGCTAC 1243
      Db      15 CTGGCCTCGTTTAC 1
```

```
RESULT 577
US-08-574-586-3
; Sequence 3, Application US/08574586
; Patent No. 5837512
; GENERAL INFORMATION:
; APPLICANT: Rabson, ArnoldRichard B.
; APPLICANT: Lin, Hsin-Ching
; APPLICANT: Bodkin, Marion
; APPLICANT: Strair, Roger
; TITLE OF INVENTION: Selective Biological Destruction of
; TITLE OF INVENTION: Tumor Cells
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices
; STREET: 758 Springfield avenue
; CITY: Summit
; STATE: NJ
; COUNTRY: US
; ZIP: 07901
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/574,586
; FILING DATE: 14-DEC-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Muccino, Richard R.
; REGISTRATION NUMBER: 32,538
; REFERENCE/DOCKET NUMBER: UMD1-026cip
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-273-4988
; TELEFAX: 908-273-4679
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-574-586-3

Query Match      0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      89 CGCGCGCACTCGCGC 103
      Db      2 CGCGCGCGCGCGC 16

RESULT 578
US-08-574-586-3/c
; Sequence 3, Application US/08574586
; Patent No. 5837512
; GENERAL INFORMATION:
; APPLICANT: Rabson, ArnoldRichard B.
; APPLICANT: Lin, Hsin-Ching
; APPLICANT: Bodkin, Marion
; APPLICANT: Strair, Roger
; TITLE OF INVENTION: Selective Biological Destruction of
; TITLE OF INVENTION: Tumor Cells
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices
; STREET: 758 Springfield avenue
; CITY: Summit
; STATE: NJ
```

/ COUNTRY: US
/ ZIP: 07901
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/574,586
/ FILING DATE: 14-DEC-1995
/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Muccino, Richard R.
/ REGISTRATION NUMBER: 32,538
/ REFERENCE/DOCKET NUMBER: UMD1-026cjp
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 908-273-4988
/ TELEFAX: 908-273-4679
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-574-586-3

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 89 CGCGCGCATCTCGCGC 103
Db 15 CGCGCGCGCGCGCGC 1

RESULT 579
US-08-256-568B-42/c
/ Sequence 42, Application US/08256568B
/ Patent No. 5846704
/ GENERAL INFORMATION:
/ APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;
/ APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
/ TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
/ TITLE OF INVENTION: ISOLATES
/ NUMBER OF SEQUENCES: 97
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BIERMAN & MUSERLIAN
/ STREET: 600 THIRD AVENUE
/ CITY: NEW YORK
/ STATE: NEW YORK
/ COUNTRY: USA
/ ZIP: 10016
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: PC-DOS/MS-DOS
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/256,568B
/ FILING DATE: 18-JUL-1994
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/EP93/03325
/ FILING DATE: 26-NOV-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: EP/93/402,129.6
/ FILING DATE: 31-AUG-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: EP/92/403,222.0
/ FILING DATE: 27-NOV-1992

/ ATTORNEY/AGENT INFORMATION:
/ NAME: CHARLES A. MUSERLIAN
/ REGISTRATION NUMBER: 19,683
/ REFERENCE/DOCKET NUMBER: 410.004
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 661-8000
/ TELEFAX: (212) 661-8002
/ INFORMATION FOR SEQ ID NO: 42:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Genomic DNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-08-256-568B-42

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 478 GGCCATCTCGTGAT 492
Db 16 GGTCATCTCGCGCAT 2

RESULT 580
US-08-520-385-1
/ Sequence 1, Application US/08520385
/ Patent No. 5855911
/ GENERAL INFORMATION:
/ APPLICANT: LOPEZ-BERESTEIN, Gabriel
/ APPLICANT: Tari, Ana M.
/ TITLE OF INVENTION: LIPOSOMAL PHOSPHODIESTER,
/ TITLE OF INVENTION: PHOSPHOROTHIOATE, AND P-ETHOXY OLIGONUCLEOTIDES
/ NUMBER OF SEQUENCES: 3
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Arnold, White & Durkee
/ STREET: 750 Bering Dr., Ste. 400
/ CITY: Houston
/ STATE: TX
/ COUNTRY: USA
/ ZIP: 77057-2198
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy Disk
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/520,385
/ FILING DATE:
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Goodman, Kenneth D.
/ REGISTRATION NUMBER: 30,460
/ REFERENCE/DOCKET NUMBER: UTSC433
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 713/787-1460
/ TELEFAX: 713/789-2679
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 16 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: other nucleic acid
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/ US-08-520-385-1

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;

Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 898 GAAGGCTTCTACGT 912
|||||
Db 1 GAAGGCTTCTGCGT 15

RESULT 581

US-08-432-871C-52/c
; Sequence 52, Application US/08432871C
; Patent No. 5877010
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/432,871C
; FILING DATE: 02-MAY-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 240052.409C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; TELEX: 3723836
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-432-871C-52

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 639 GCCTGGCGGTGGAGG 653
|||||
Db 16 GCCTGGAGGTGGGGG 2

RESULT 582

US-08-256-426B-150
; Sequence 150, Application US/08256426B
; Patent No. 5948611
; GENERAL INFORMATION:
; APPLICANT: Prockop, Darwin J.
; APPLICANT: Ais-Kokko, Leena
; APPLICANT: Williams, Charlene J.
; APPLICANT: Ritvanieni, Pertti
; APPLICANT: Baldwin, Clinton
; APPLICANT: Hopkinson, Ian
; APPLICANT: Ahmad, Nilofar Nina
; TITLE OF INVENTION: Methods of Detecting A Genetic
; NUMBER OF SEQUENCES: 293
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5948611ris

STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 3.1
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,426B
FILING DATE: 03-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/10964
FILING DATE: 12-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,284
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Mark Deluca
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1082
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 150:
SEQUENCE CHARACTERISTICS:
LENGTH: 16
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
ANTI-SENSE: NO
US-08-256-426B-150

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 561 AGTCTCTGCCTACG 575
|||||
Db 2 AGTCTCTGGACTAG 16

RESULT 583

US-08-885-126-7/c
; Sequence 7, Application US/08885126A
; Patent No. 5955397
; GENERAL INFORMATION:
; APPLICANT: Arnold, Lyle J.
; APPLICANT: Riley, Timothy A.
; APPLICANT: Reynolds, Mark A.
; APPLICANT: Schwartz, David A.
; TITLE OF INVENTION: CHIRALLY ENRICHED SYNTHETIC PHOSPHATE
; TITLE OF INVENTION: OLIGOMERS
; FILE REFERENCE: GENTA.020FW2
; CURRENT APPLICATION NUMBER: US/08/885,126A
; CURRENT FILING DATE: 1997-06-30
; EARLIER APPLICATION NUMBER: 08/343,018
; EARLIER FILING DATE: 1994-11-21
; EARLIER APPLICATION NUMBER: 08/154,013
; EARLIER FILING DATE: 1993-11-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically synthesized oligomer
US-08-885-126-7

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels

Qy 15 GAGGAGAGAGCGAG 29
 |||||
Db 15 GAGAGAGAGAGAG 1

RESULT 584

```

US-08-885-126-8
; Sequence 6, Application US/08885126A
; Patent No. 595597
; GENERAL INFORMATION:
; APPLICANT: Arnold, Lyle J.
; APPLICANT: Riley, Timothy A.
; APPLICANT: Reynolds, Mark A.
; APPLICANT: Schwartz, David A.
; TITLE OF INVENTION: CHIRALLY ENRICHED SYNTHETIC PHOSPHATE
; FILE REFERENCE: GENTA.020FW2
; CURRENT APPLICATION NUMBER: US/08/885,126A
; CURRENT FILING DATE: 1997-06-30
; EARLIER APPLICATION NUMBER: 08/343,018
; EARLIER FILING DATE: 1994-11-21
; EARLIER APPLICATION NUMBER: 08/154,013
; EARLIER FILING DATE: 1993-11-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Chemically synthesized oligomer
US-08-885-126-8

```

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. NO. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels

Qy 15 GAGGAGAGAGCGAG 29
||| ||| ||| ||| |||
Db 2 GAGAGAGAGAGAGAG 16

RESULT 585

```

US-09-112-859-1
; Sequence 1, Application US/09112869
; Patent No. 6042846
; GENERAL INFORMATION:
; APPLICANT: Lopez-Berestein, Gabriel
; APPLICANT: Tari, Ana M.
; TITLE OF INVENTION: LIPOSOMAL PHOSPHODIBSTER,
; TITLE OF INVENTION: PHOSPHOTHIOLATE, AND P-ETHOXY OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/112,869
; FILING DATE: 09-JUL-1998
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:

```

APPLICATION NUMBER: US 08/520,385
FILING DATE: 29-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSC:433--1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512)418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRAINEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-09-112-869-1

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels

Qy 898 GAAGGCTTCTACGT 912
Db 1 GAAGGGCTTCTCGGT 15

RESULT 586

US-08-941-445A-28
 / Sequence 28, Application US/08941445A
 / Patent No. 6107060
 / GENERAL INFORMATION:
 / APPLICANT: Keeling, Peter
 / APPLICANT: Guan, Hanning
 / TITLE OF INVENTION: Search Encapsulation
 / NUMBER OF SEQUENCES: 37
 / CORRESPONDENCE ADDRESSES:
 / ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
 / STREET: 5370 Manhattan Circle
 / CITY: Boulder
 / STATE: CO
 / COUNTRY: US
 / ZIP: 80303
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC Compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: PatentIn Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/941,445A
 / FILING DATE: 30-SEP-1997
 / CLASSIFICATION: 800
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: US 60/026,855
 / FILING DATE: 30-SEP-1996
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Winner, Ellen P
 / REGISTRATION NUMBER: 28,547
 / REFERENCE/DOCKET NUMBER: 89-97
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (303) 499-8080
 / TELEFAX: (303) 499-8089
 / INFORMATION FOR SEQ ID NO: 28:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 16 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: double
 / TOPOLOGY: not relevant
 / MOLECULE TYPE: cDNA to mRNA
 / US-08-941-445A-28

Query Match 0.7%; Score 11.8; DB 1; Length 16;
 Best Local Similarity 86.7%; Pred. No. 3e+02; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 2;

QY 15 GAGGAGAGAGCGGAG 29
 Db 2 GAGAGAGAGAGAG 16

RESULT 587
 US-08-611-587-16/c
 ; Sequence 16, Application US/08611587
 ; Patent No. 6150091
 ; GENERAL INFORMATION:
 ; APPLICANT: PANDOLFO, MASSIMO
 ; APPLICANT: MONTERMINI, LAURA
 ; APPLICANT: MOLTO, MARIA D.
 ; APPLICANT: KOENIG, MICHAEL
 ; APPLICANT: CAMPUZANO, VICTORIA
 ; APPLICANT: COSESE, MIREILLE
 ; TITLE OF INVENTION: Direct Diagnosis of Friedreich Ataxia
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSES: Fulbright & Jaworski L.L.P. Patent Dept.
 ; STREET: 1301 McKinney, Suite 5100
 ; CITY: Houston
 ; STATE: Texas
 ; COUNTRY: U.S.
 ; ZIP: 77010

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/611,587
 ; FILING DATE: 03-MAR-1996
 ; CLASSIFICATION: 436
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brashears-Macatee, Sarah J.
 ; REGISTRATION NUMBER: 38,087
 ; REFERENCE/DOCKET NUMBER: D-5901
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 713-651-5620
 ; TELEFAX: 713-651-5246
 ; TELEX: 76-2829
 ; INFORMATION FOR SEQ ID NO: 16:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 16 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: other nucleic acid
 ; DESCRIPTION: /desc = "oligonucleotide"
 ; HYPOTHEICAL: NO
 ; ANTI-SENSE: NO
 ; POSITION IN GENOME:
 ; UNITS: bp
 ; US-08-611-587-16

Query Match 0.7%; Score 11.8; DB 1; Length 16;
 Best Local Similarity 86.7%; Pred. No. 3e+02; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 2;

QY 1345 CGGGAGACGGCGG 1359
 Db 15 CGGGAACAGCGCGG 1

RESULT 588
 US-08-814-412-9/c
 ; Sequence 9, Application US/08814412
 ; Patent No. 6150141

GENERAL INFORMATION:
 ; APPLICANT: Jarrell Ph.D., Kevin A.
 ; TITLE OF INVENTION: Intron-Mediated Techniques and Reagents
 ; NUMBER OF SEQUENCES: 46
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Choate, Hall & Stewart
 ; STREET: 53 State Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/814,412
 ; FILING DATE: 11-MAR-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jarrell Ph.D., Brenda H.
 ; REGISTRATION NUMBER: 39,223
 ; REFERENCE/DOCKET NUMBER: 0079571-0040
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617 248 5000
 ; TELEFAX: 617 248 4000
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 16 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: other nucleic acid
 ; DESCRIPTION: /desc = "Ribozyme"
 ; IMMEDIATE SOURCE:
 ; CLONE: last 16 nt of K2 in Y7
 ; US-08-814-412-9

Query Match 0.7%; Score 11.8; DB 1; Length 16;
 Best Local Similarity 86.7%; Pred. No. 3e+02; Indels 0; Gaps 0;
 Matches 13; Conservative 0; Mismatches 2;

QY 772 GGAGCAGGCGGCAC 786
 Db 16 GGAGCAGGCGGCAC 2

RESULT 589
 US-08-814-412-45/c
 ; Sequence 45, Application US/08814412
 ; Patent No. 6150141
 ; GENERAL INFORMATION:
 ; APPLICANT: Jarrell Ph.D., Kevin A.
 ; TITLE OF INVENTION: Intron-Mediated Techniques and Reagents
 ; NUMBER OF SEQUENCES: 46
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Choate, Hall & Stewart
 ; STREET: 53 State Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/814,412
 ; FILING DATE: 11-MAR-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:

NAME: Jarrell Ph.D., Brenda H.
REGISTRATION NUMBER: 39,223
REFERENCE/DOCKET NUMBER: 0079571-0040
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617 248 5000
TELEFAX: 617 248 4000
INFORMATION FOR SEQ ID NO: 45:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "RNA"
IMMEDIATE SOURCE:
CLONE: PY7 exon sequence
US-08-814-412-45

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02; 2; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 2;

QY 772 GGAGCAGCGCGGCAC 786
DB 16 GGAGCAGTCGGGCAC 2

RESULT 590

US-09-038-369B-42/c
Sequence 42, Application US/09038369B
Patent No. 6171784
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWIN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410,004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:

LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-038-369B-42

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02; 2; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 2;

QY 478 GGCCATCTCGGTGAT 492
DB 16 GGTCACTCGGCAT 2

RESULT 591

US-09-109-663-69
Sequence 69, Application US/09109663
Patent No. 6277981
GENERAL INFORMATION:
APPLICANT: Tu, Guang-Chou
APPLICANT: Israel, Yedy
TITLE OF INVENTION: AN IMPROVED METHOD FOR DESIGN AND SELECTION OF
TITLE OF INVENTION: EFFICACIOUS ANTISENSE OLIGONUCLEOTIDES
FILE REFERENCE: 9855-3UI
CURRENT APPLICATION NUMBER: US/09/109,663
CURRENT FILING DATE: 1998-07-03
EARLIER APPLICATION NUMBER: 60/051,705
EARLIER FILING DATE: 1997-07-03
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 69
LENGTH: 16
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Known
OTHER INFORMATION: Effective ASO
US-09-109-663-69

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02; 2; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 2;

QY 805 GAGCCCCGGGACCG 819
DB 1 GATCCCCGGGTACCG 15

RESULT 592

US-09-411-862A-21/c
Sequence 21, Application US/09411862A
Patent No. 6348583
GENERAL INFORMATION:
APPLICANT: David Segev
TITLE OF INVENTION: POLY(ETHER-THIOETHER), POLY(ETHER-SULFOXIDE) AND POLY(ETHER-SULFONE) NUCLEIC ACIDS
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sol Sheinbein c/o Anthony Castorina
STREET: 2001 Jefferson Davis Highway, Suite 207
CITY: Arlington
STATE: Virginia
COUNTRY: United States of America
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
COMPUTER: Twinhead* Slimnote-890TX
OPERATING SYSTEM: MS DOS version 6.2,

```

;
; SOFTWARE: Word for Windows version 3.11
; an ASCII file
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/411,862A
; FILING DATE: 04-Oct-1999
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/384,995
; FILING DATE: 20 AUG 1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Sol Sheinbein
; REGISTRATION NUMBER: 25,457
; REFERENCE/DOCKET NUMBER: 00/20719 (previously 513/13)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 972-3-6127676
; TELEFAX: 972-3-6127575
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 21:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-411-862A-21

```

```

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 15 GAGGGAGAGAGCGAG 29
||| ||||| |||||
Db 15 GAGAGAGAGAGAGAG 1

```

RESULT 593

```

US-09-411-862A-22
; Sequence 22, Application US/09411862A
; Patent No. 6348583
; GENERAL INFORMATION:
; APPLICANT: David Segev
; TITLE OF INVENTION: POLY(ETHER-THIOETHER), POLY(ETHER-SULFONE) NUCLEIC
; ACIDS
;
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sol Sheinbein c/o Anthony Castorina
; STREET: 2001 Jefferson Davis Highway, Suite 207
; CITY: Arlington
; STATE: Virginia
; COUNTRY: United States of America
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
; COMPUTER: Twinhead* Slimnote-990TX
; OPERATING SYSTEM: MS DOS version 6.2,
; Windows version 3.11
;
; SOFTWARE: Word for Windows version 2.0 converted to
; an ASCII file
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/411,862A
; FILING DATE: 04-Oct-1999
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/384,995
; FILING DATE: 20 AUG 1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Sol Sheinbein
; REGISTRATION NUMBER: 25,457
; REFERENCE/DOCKET NUMBER: 00/20719 (previously 513/13)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 972-3-6127676

```

```

;
; TELEFAX: 972-3-6127575
; TELEX: <Unknown>
;
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-411-862A-22

```

```

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 15 GAGGGAGAGAGCGAG 29
||| ||||| |||||
Db 1 GAGAGAGAGAGAGAG 15

```

RESULT 594

```

US-09-732-990-5/c
; Sequence 5, Application US/09732990
; Patent No. 6428961
; GENERAL INFORMATION:
; APPLICANT: Schnable, Patrick S.
; APPLICANT: Liu, Feng
; APPLICANT: Fu, Yan
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HISTIDINE TAGS IN THREE READING F
; FILE REFERENCE: 08411-026001
; CURRENT APPLICATION NUMBER: US/09/732,990
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: US 60/169,725
; PRIOR FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated linker
US-09-732-990-5

```

```

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 168 GATGTCGCTGCTAG 182
||| ||||| |||||
Db 15 GATATCTGACGCTAG 1

```

RESULT 595

```

US-09-270-956-52/c
; Sequence 52, Application US/09270956
; Patent No. 6451571
; GENERAL INFORMATION:
; APPLICANT: Loeb, Lawrence A.
; APPLICANT: Black, Margaret E.
; TITLE OF INVENTION: THYMIDINE KINASE MUTANTS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/270,956
FILING DATE: 17-MAR-1999
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: McMaisters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 240052.409C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3725836
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-270-956-52

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 639 GCGTGGCGGTGGAGG 653
Db 16 GCGTGGAGGTGGGGG 2

RESULT 596
US-09-378-900A-42/c
Sequence 42, Application US/09378900A
Patent No. 6495670
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,900A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000

TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-378-900A-42
Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 478 GGCCATCTCGGTGAT 492
Db 16 GGTCACTCTGGCGAT 2
RESULT 597
US-09-899-044-42/c
Sequence 42, Application US/09899044
Patent No. 6548244
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,044
FILING DATE: 06-JUL-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/378,900
FILING DATE: <unknown>
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8002
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 42:

US-09-899-044-42

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 478 GGCCATCTCGGTGAT 492
DB 16 GGTCACTCTGGCGAT 2

RESULT 598

US-09-371-772B-5646
; Sequence 5646, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5646
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5646

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 922 GCGGAGCCCGCGGA 936
DB 2 GCGGAGCCCGCGGA 16

RESULT 599

US-09-371-772B-5650
; Sequence 5650, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5650
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5650

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1354 CGCGCGCGGACCG 1368
DB 1 CGCGCGCGGACCG 15

RESULT 600

US-09-371-772B-5656/c
; Sequence 5656, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5656
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5656

Query Match 0.7%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 3e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 911 GTGATCGAGCGCG 925
DB 16 GTGAGCGGACCGG 2

RESULT 601

US-09-371-772B-5917
; Sequence 5917, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MHB00.876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5917
; LENGTH: 16
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5917